Form OGC-1a

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

5. Lease Designation and Serial No.: Fee Land

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name:

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name:

b. Type of Well
Oil Well [X] Gas Well [ ] Other Single Zone [X] Multiple Zone [ ]

8. Farm or Lease Name: Sundance

2. Name of Operator: Pennzoil Exploration and Production Company

9. Well No.: 4-15A2

3. Address of Operator: P.O. Box 290; Neola, Utah 84053

10. Field and Pool, or Wildcat: Bluebell-Wasatch 065

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 1600' FNL and 1600' FEL (SW NE)

11. Sec., T., R., M., or Blk. and Survey or Area

At proposed prod. zone: Same

Sec. 15, T1S, R2W

14. Distance in miles and direction from nearest town or post office*: 2.5 mi. South and 3.3 mi. West of Neola, Utah

12. County or Parrish: Duchesne 13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): 1600'

16. No. of acres in lease: 640

17. No. of acres assigned to this well: 640

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: 2616'

19. Proposed depth: 14,200' WSTC

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): Ungraded Ground Level: 5749'

22. Approx. date work will start*: Aug. 31,1991

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
13 1/2"	10 3/4"	40.5	2500'	1820 cu/ft
9 7/8"	7"	23/26	10,715'	3830 cu/ft
6 1/8"	5"	18	14,200'	325 cu/ft

1. Enclosed Attachment: a. Certified Location Plat
   b. Drilling Plan
   c. BOP Schematic
   d. Map showing roadway to location.
   e. Schematic of rig layout on location.

2. Water Permit Will Be Secured Prior to Spud.

3. An AFE has been prepared and copies have been sent to joint interest holders for their approval.

TIGHT HOLE

RECEIVED
AUG 14 1991
DIVISION OF OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Danny L. Laman Office: (801) 353-4397 Home: (801) 789-7033

Signed: Danny Laman Title: Area Drilling Foreman Date: 8-12-91

(This space for Federal or State office use)

Permit No. 43-013-31333 Approval Date

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8-22-91
BY: JRMatthews
WELL SPACING: 139-42

Approved by Title

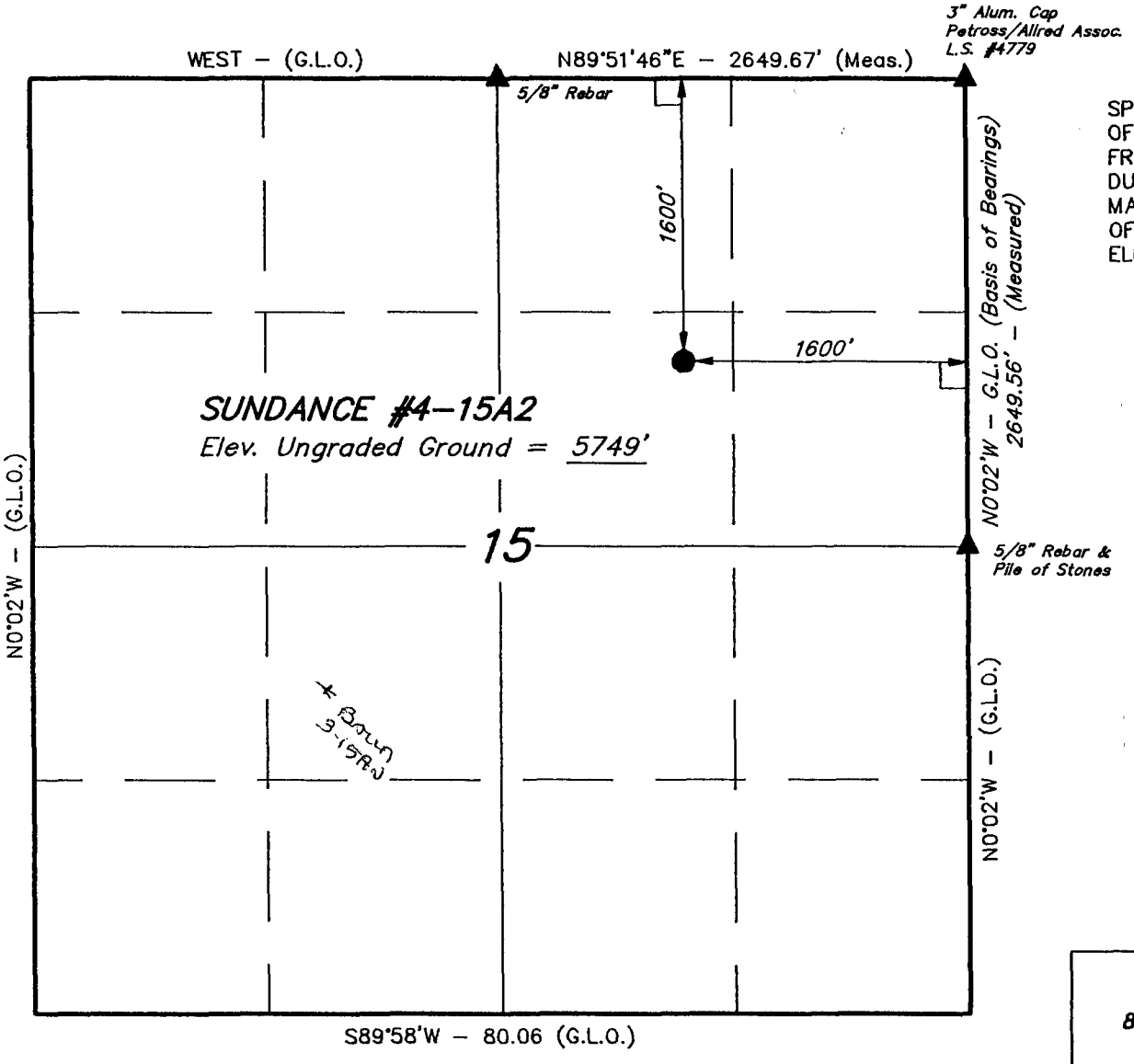
Conditions of approval, if any:

*See Instructions On Reverse Side

PENNZOIL EXPLR. & PROD. CO.

Well location, SUNDANCE #4–15A2, located as shown in the SW 1/4 NE 1/4 of Section 15, T1S, R2W, U.S.B.&M. Duchesne County, Utah.

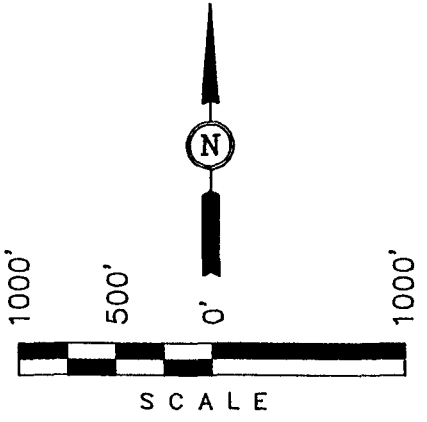
T1S, R2W, U.S.B.&M.



▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 15, T1S, R2W, U.S.B.&M. TAKEN FROM THE NEOLA QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5808 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(801) 789–1017

SCALE 1" = 1000'	DATE 8–9–91
PARTY J.T.K. B.C. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE PENNZOIL EXPLR. & PROD. CO.

Form OGC-1a

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

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7. Unit Agreement Name:

b. Type of Well: Oil Well [X] Gas Well [ ] Other — Single Zone [X] Multiple Zone [ ]

8. Farm or Lease Name: Sundance

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Sec. 15, T1S, R2W

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6 1/8"	5"	18	14,200'	325 cu/ft

TECHNICAL REVIEW
Engr. [signature] 8-22-91
Geol. [signature] 8/19/91
Surface [signature] 8/19/91

1. Enclosed Attachment:
   a. Certified Location Plat
   b. Drilling Plan
   c. BOP Schematic
   d. Map showing roadway to location.
   e. Schematic of rig layout on location.

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RECEIVED
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24. Danny L. Laman Office: (801) 353-4397 Home: (801) 789-7033

Signed [signature] Title Area Drilling Foreman Date 8-12-91

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

*See Instructions On Reverse Side

DRILLING PLAN

OPERATOR: PENNZOIL EXPLORATION & PRODUCTION COMPANY
WELL: Sundance 4-15A2
WELL LOCATION: 1600' FNL & 1600' FEL
SW1/4 NE 1/4 SEC. 15, T1S R2W
Duchesne County, Utah

1. ESTIMATED TOPS AND IMPORTANT GEOLOGICAL FORMATIONS:

Top Green River	6424'
Green River Trona	7764'
Mahagony Bench	8540'
TGR 3	9775
CP 70	10,599'
TU 2	10,948
Wasatch 200	13,127'
Total Depth	14,200'

2. ESTIMATED OIL AND WATER DEPTHS:

Water	NONE ANTICIPATED
TU 2	Oil @ ±10,946'
Wasatch 200	Oil @ ±13,127

3. HOLE SIZE, CASING, AND CEMENT PROGRAM:

A. CONDUCTOR HOLE: 0' - 60'
   a. Drill a 36" hole to 60'.
   b. Set 16" conductor pipe.
   c. Cement with ready mix concrete at 6 bags per yard.

B. SURFACE HOLE: 60' - 2500'
   a. Drill a 13 1/2" hole to 2500'.
   b. Set 10 3/4" 40.5# K-55/S-80 STC.
   c. Cement to surface with a lead slurry of a low density filler and tail in with 200 sks. Class "G".

C. INTERMEDIATE HOLE: 2500' - 10,715'
   a. Drill a 9 7/8" hole to 10,715'.
   b. Set 7" 23#/26# N-80/S-95 LTC.
   c. Cement to surface with a DVT at approximately 8540'. First stage: 50/50 Poz "G" with additives tailored for depth and temp. Second stage: A lead cement from approx. 5924' to surface with a low density filler and tail in with a 50/50 Poz. "G" tailored for depth and temp.

A. PRODUCTION HOLE: 10,715' - 14,200'
   a. Drill a 6 1/8" hole to 14,200'.
   b. Hang a 5" 18# N-80 FL4S liner.
   c. Cement liner with a Class "G" cement tailored for depth and temp.

4. OPERATOR'S PRESSURE CONTROL PLAN:

Figure no. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nipple up on the surface casing string and pressure tested prior to commence drilling.

A. All rams and choke manifold will be tested to 5000 psi.
b. Bag preventor will be tested to 50% of its rated working pressure.
c. 7" casing strings will be tested to 4000 psi. or 0.2 psi/ft per depth, which every is greater.
d. Record all BOP test on tour reports.
e. Retest BOP stack every 28 days.
f. Fill up line above the bag preventer.
g. Kill line located below the double BOP rams.

Operational Checks:

a. Pipe rams will be closed and opened once each 24 hours.
b. Blind rams will be closed and opened each time the drill string is pulled from the well bore.

5. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

a. Upper and lower kelly cocks will be utilized.
b. A full opening drill pipe stabbing valve.
c. PVT equipment will be used to monitor the mud system when drilling the production hole.

6. PROPOSED DRILLING FLUID PROGRAM:

A. SURFACE HOLE: 60' - 2500'
   a. Drill from 60' to 2500' with a 36 viscosity in steel pits. Then continue drilling with fresh water, circulating reserve pit using lime and flocculate to keep fluid clean.
   b. All severe water flows will be contain with barite and gel.

B. INTERMEDIATE HOLE: 2500' - 10,715'
   a. Drill out with fresh water circulating reserve pit using lime and flocculate as needed to keep fluid clean. Barite, polymers, and gel will be used as wellbore dictates due to pressure or hole condition.
   b. Final fluid properties: 9.5 ppg. gelled brine water.

C. PRODUCTION HOLE: 10,715'-14,200
   a. Drill out with the existing mud system. Barite, polymers, and gel will be used as wellbore dictates due to pressure and hole condition.
   b. Final fluid properties: 13.0/13.5 ppg. 40/55 vis. 8/10 wl. 20/30 yp.

7. WELL BORE EVALUATION:

a.	CORING:	None Anticipated
b.	DRILL STEM TESTING:	None Anticipated
c.	LOGS: Production hole	Dual Induction Lateral Gamma Ray Formation Density BHC-Sonic Micro-SFL Four Arm Caliper
d.	COMPLETION:	The objective formation is one of the oil zones in the Wasatch Formation. Selected intervals will then be perforated and evaluated for stimulation work.

8. PRESSURE AND TEMPERATURES:

   a. No abnormal pressure or temperature have been noticed or reported in wells drilled in this area.
   b. Estimated bottom hole temperatures : 238 degrees
   c. Estimated bottom hole pressure: 9600 psi

9. ANTICIPATED STARTING DATE:

   a. Construction will probably start within 30 days of permit approval.
   b. The well will probably be spudded within 10 days of well site completion.

10. OTHER INFORMATION:

   a. Topography: Virgin rolling hills
   b. Soil Characteristics: Bentonitic clays and sand.
   c. Flora: Pasture grasses, juniper, sagebrush, and cacti.
   d. Fauna: Domestic: None
      Wildlife:- Deer, Rodents, Grouse, etc.
   e. Surface Use: None
   f. Surface Owner: Dominic Giangregorio; Hawthorn, California

. LEASEE'S OR OPERATOR'S REPRESENTATIVE:

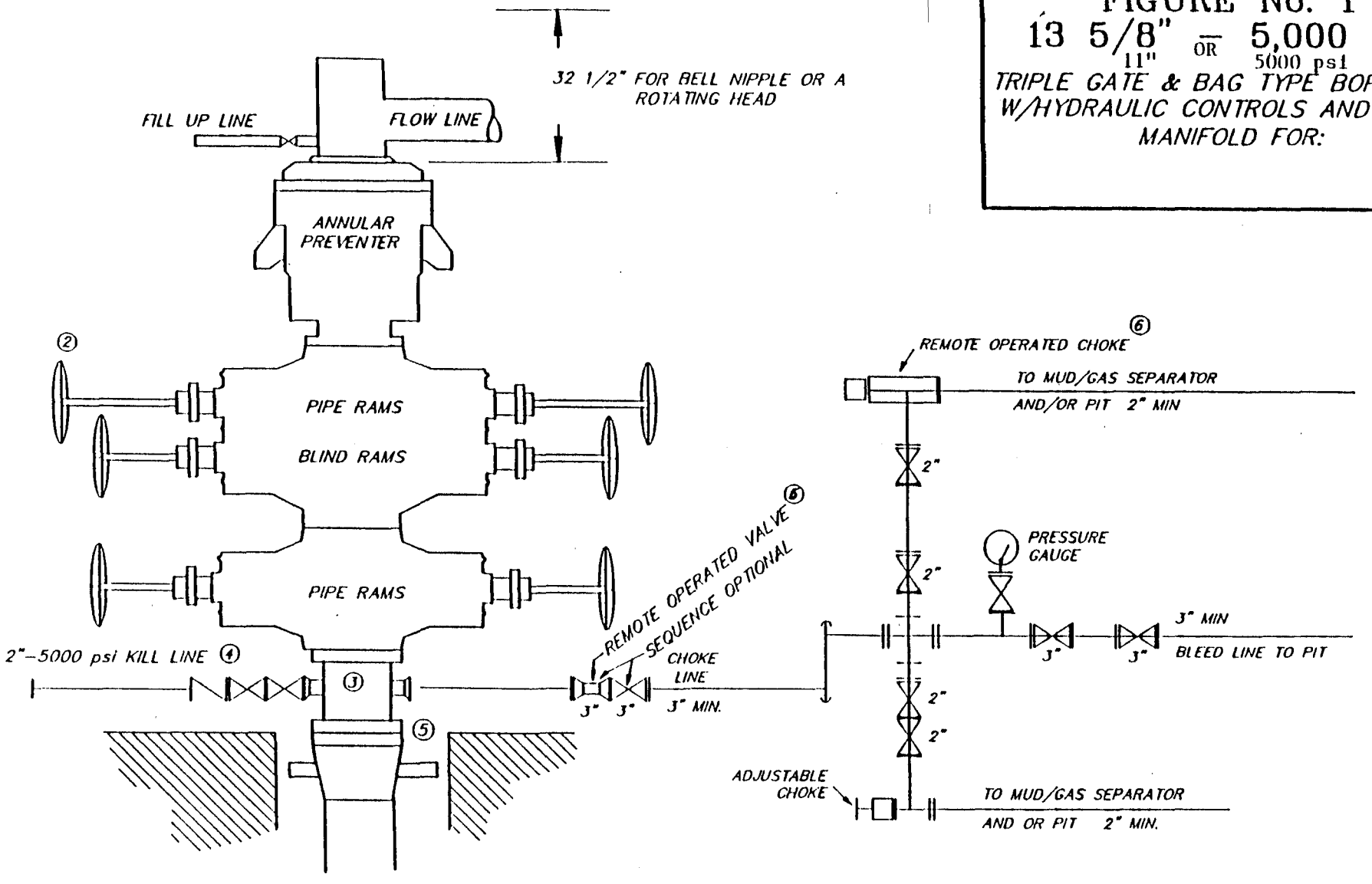
George P. SanFilippo, Vice President of Western Operations
Danny L. Laman, Area Drilling Foreman (801) 353-4397

12. This well will be drilled per regulations as set forth by the State of Utah Natural Resource Oil, Gas, & Mining Division.

FIGURE No. 1

13 5/8" 5,000 psi ①
11" OR 5000 psi

TRIPLE GATE & BAG TYPE BOP STACK W/HYDRAULIC CONTROLS AND CHOKE MANIFOLD FOR:



① = ALL BOP CONNECTIONS SUBJECTED TO WELL PRESSURE SHALL BE FLANGED, WELDED OR CLAMPED.

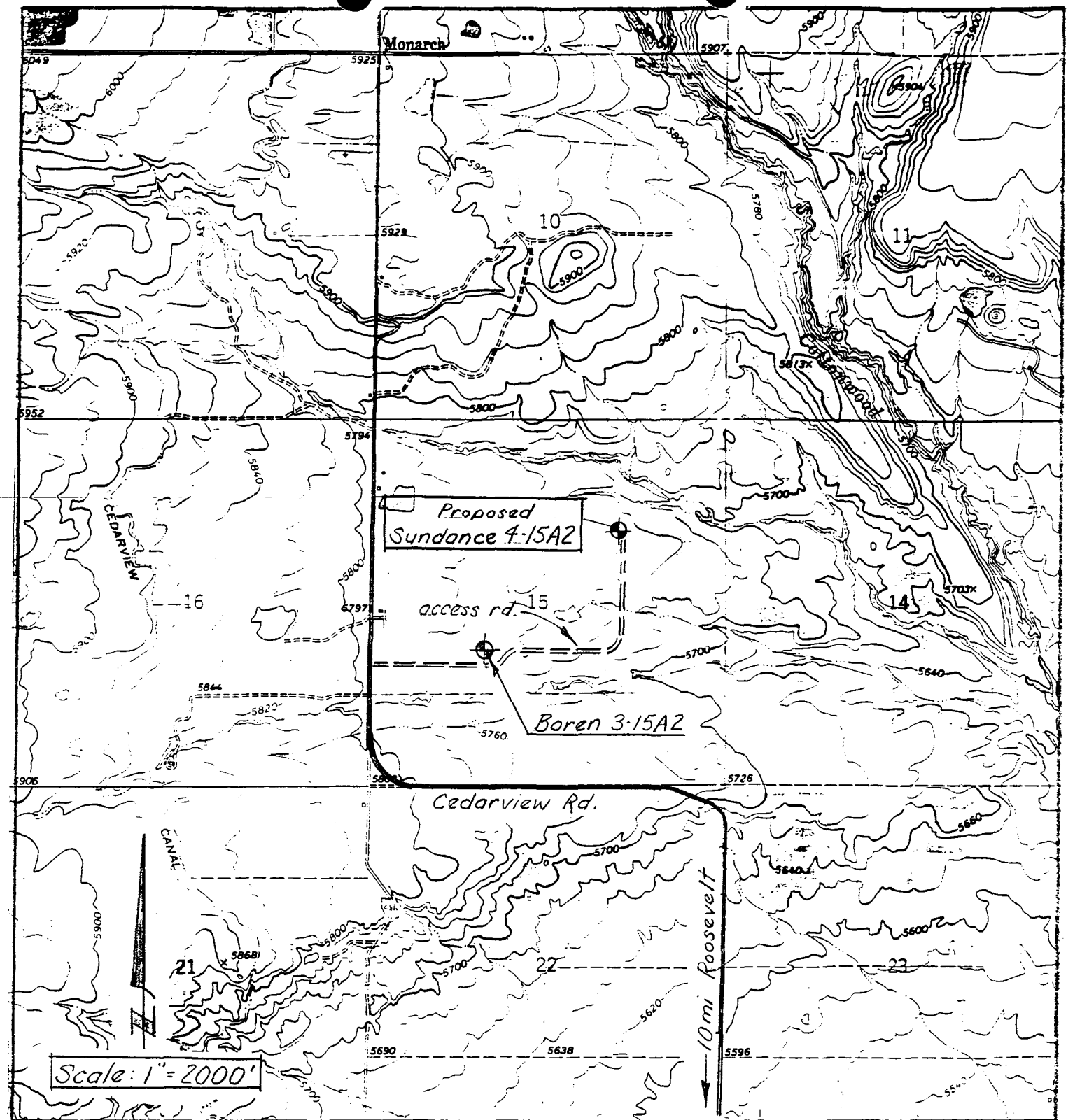
② = HAND WHEELS FOR EACH SET OF RAMS UNLESS EQUIPPED WITH AUTO LOCK.

③ = DRILLING SPOOL UNLESS BOTTOM BOP EQUIPPED WITH SIDE OUTLETS.

④ = KILL LINE W/2-2" VALVES & 1-2" CHECK VALVE WITH KILL LINE TO OUTER EDGE OF THE SUB STRUCTURE.

⑤ = TOP OF CASING HEAD FLANGE WILL BE AT GROUND LEVEL.

⑥ = REMOTE CONTROLS ON RIG FLOOR.



AREA TOPOGRAPHY MAP

For The Proposed: **SUNDANCE 4-15A2**

1600' FNL and 1600' FEL, SW NE Sec. 15, T1S, R2W

Duchesne County, Utah

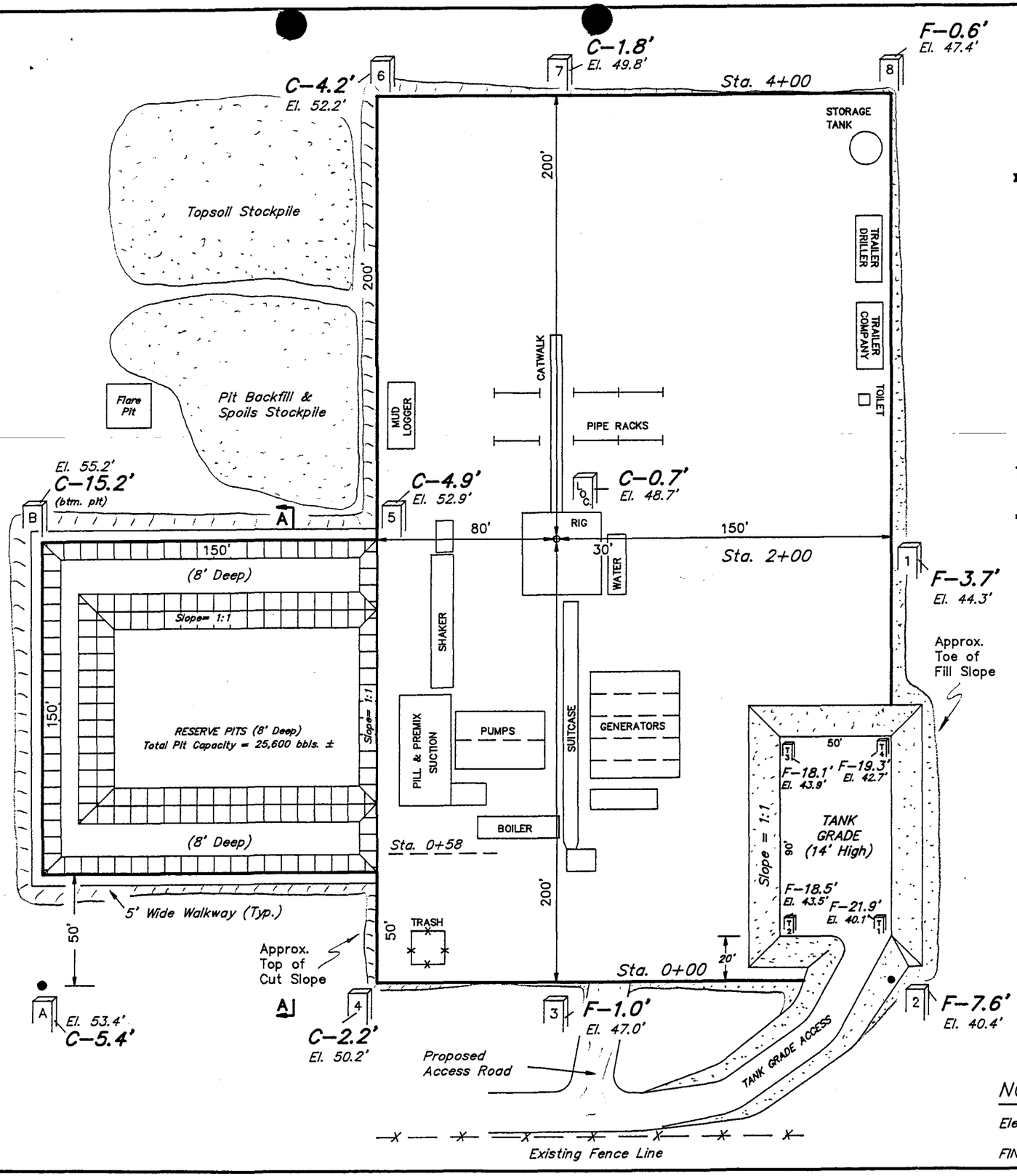
Submitted to Utah Division Oil, Gas, & Mining by Pennzoil Explor. & Prod. Co.

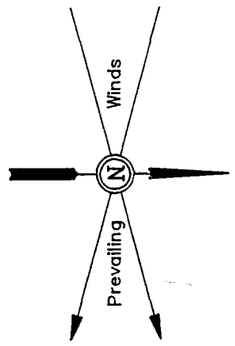
PENNZOIL EXPLR. & PROD. CO.

LOCATION LAYOUT FOR

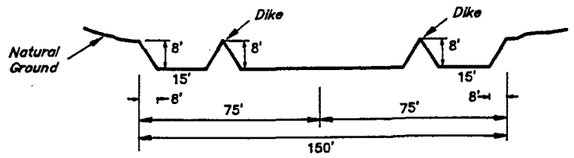
SUNDANCE #4-15A2

SECTION 15, T1S, R2W, U.S.B.&M.



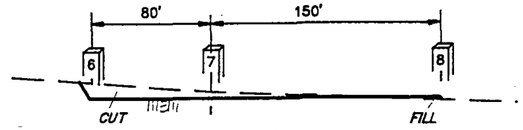


SCALE: 1" = 50'
DATE: 8-8-91
Drawn By: T.D.H.



SECTION A-A

NO SCALE

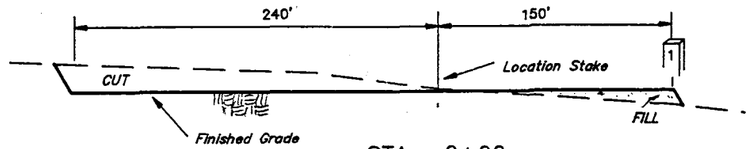


STA. 4+00

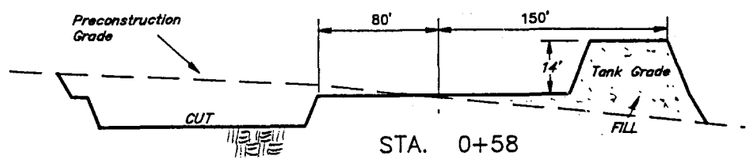
1" = 40'

X-Section Scale

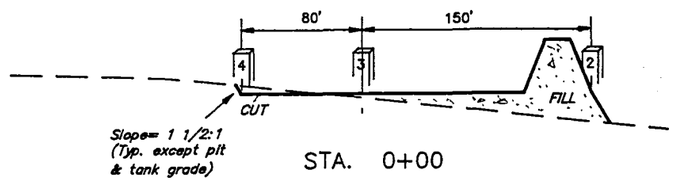
1" = 100'



STA. 2+00



STA. 0+58



STA. 0+00

TYP. LOCATION LAYOUT

TYP. CROSS SECTIONS

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	2,260 Cu. Yds.
Remaining Location	=	13,280 Cu. Yds.
TOTAL CUT	=	15,540 CU.YDS.
FILL	=	10,190 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	4,810 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,620 Cu. Yds.
EXCESS UNBALANCE	=	190 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5748.7'

FINISHED GRADE ELEV. AT LOC. STAKE = 5748.0'

UINTAH ENGINEERING & LAND SURVEYING

85 South 200 East Vernal, Utah

Form OGC-1b

SUBMIT IN TRIPLICATE* (other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: Fee Land

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

8. FARM OR LEASE NAME: Sundance

3. ADDRESS OF OPERATOR: P.O. Box 290; Neola, Utah 84053

9. WELL NO.: 4-15A2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1600' FNL and 1600' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Bluebell-Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15, T1S, R2W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5749' (GL)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[X]	(Other)			[ ]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pennzoil submitted APD and related information for the proposed Boren 4-15A2 on June 14, 1991. On August 7, 1991, Pennzoil re-staked the proposed location at 1600' FNL/ 1600' FEL. The name was also changed to Sundance 4-15A2.

Please receive the enclosed APD for the Sundance 4-15A2 and cancel the previously submitted APD for the Boren 4-15A2.

RECEIVED
AUG 14 1991
DIVISION OF
OIL GAS & MINING

TIGHT HOLE

18. I hereby certify that the foregoing is true and correct

SIGNED DR Lankford TITLE Petroleum Engineer DATE 8/12/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

PENNZOIL EXPLORATION AND PRODUCTION COMPANY
P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

August 12, 1991

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center; Suite 350
Salt Lake City, Utah 84180-1203

RE: Application for Permit to Drill
Sundance 4-15A2
1600' FNL & 1600' FEL
SW1/4 NE1/4 Sec. 15, T1S - R2W
Duchesne County, Utah

Gentlemen:

The original and two copies of captioned APD are enclosed for your review and I trust your approval. Pennzoil Exploration and Production Company requests that this APD and all related information submitted on this well be held confidential for that period of time permitted by regulations and law.

Please cancel and void the previously submitted Boren 4-15A2 and consider the Sundance 4-15A2 as an alternate.

Sincerely,
Pennzoil Exploration and Production Company

DR Lankford

D.R. Lankford
Petroleum Engineer

Enclosure

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: PENNZOIL EX. AND PROD. CO. NAME: SUNDANCE 4-15A2
SECTION: 15 TWP: 1S RNG: 2W LOC: 1600 FNL 1600 FEL
QTR/QTR SW/NE COUNTY: DUCHESNE FIELD: ALTAMONT/WASATCH
SURFACE OWNER: DOMINIC GIANGREGORIO
SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 8/9/91 10:50

PARTICIPANTS: Don Lankford-Pennzoil; Daniel J. Jarvis-DOGM

REGIONAL SETTING/TOPOGRAPHY: The proposed location is in the northwest Uinta Basin in an area of low rounded hills made up of sand hills stabilized by vegetation.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A rectangular shaped pad will be constructed with approximate dimensions of 400'X 220' with a 150'X 150' extension for a reserve pit. Approximately .5 miles of access road will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, Prickly Pear, Greasewood, Cheat Grass, Rabbit Brush, Tumbleweed/Rabbits, Birds, Gnats

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Fine sand

SURFACE FORMATION & CHARACTERISTICS: Quaternary Alluvium

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None Observed

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Tu 2-10,946'; Wasatch 200-13,127'

ABNORMAL PRESSURES-HIGH AND LOW: None Anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: An square shaped reserve pit will be constructed with dimensions of 150'X 150'X 8'.

LINING: The reserve pit is to be lined with a synthetic liner.

MUD PROGRAM: See APD

DRILLING WATER SUPPLY: Not specified

STIPULATIONS FOR APD APPROVAL
Reserve pits to be lined with a synthetic liner of 12 mil minimum thickness.

ATTACHMENTS
Photographs will be placed on file.

CONFIDENTIAL

OPERATOR Pennzoil [illegible] DATE 8-20-91

WELL NAME Sundance 4-15A2

SEC SWNE 15 T 1S R 2W COUNTY Duchesne

API NUMBER	TYPE OF LEASE
43-013-31333	Fee (4)

CHECK OFF:

☑ PLAT	☑ BOND 80,000 81065080	☑ NEAREST WELL
☑ LEASE	☑ FIELD USBM	☑ POTASH OR OIL SHALE

PROCESSING COMMENTS:

Falls within Cause No guidelines - Boren 4-15A2 (P&A'd).

Water Permit

Presite 8-19-91 (Geology review) 8-20-91

This well replaces Boren 4-15A2 at request of company

The Boren well will be P&A'd.

APPROVAL LETTER:

SPACING: ☐ R615-2-3 N/A UNIT ☐ R615-3-2

☑ 139-42 4-17-85 CAUSE NO. & DATE ☐ R615-3-3

CONFIDENTIAL PERIOD EXPIRED ON 3-2-93

STIPULATIONS:

Water Permit needed

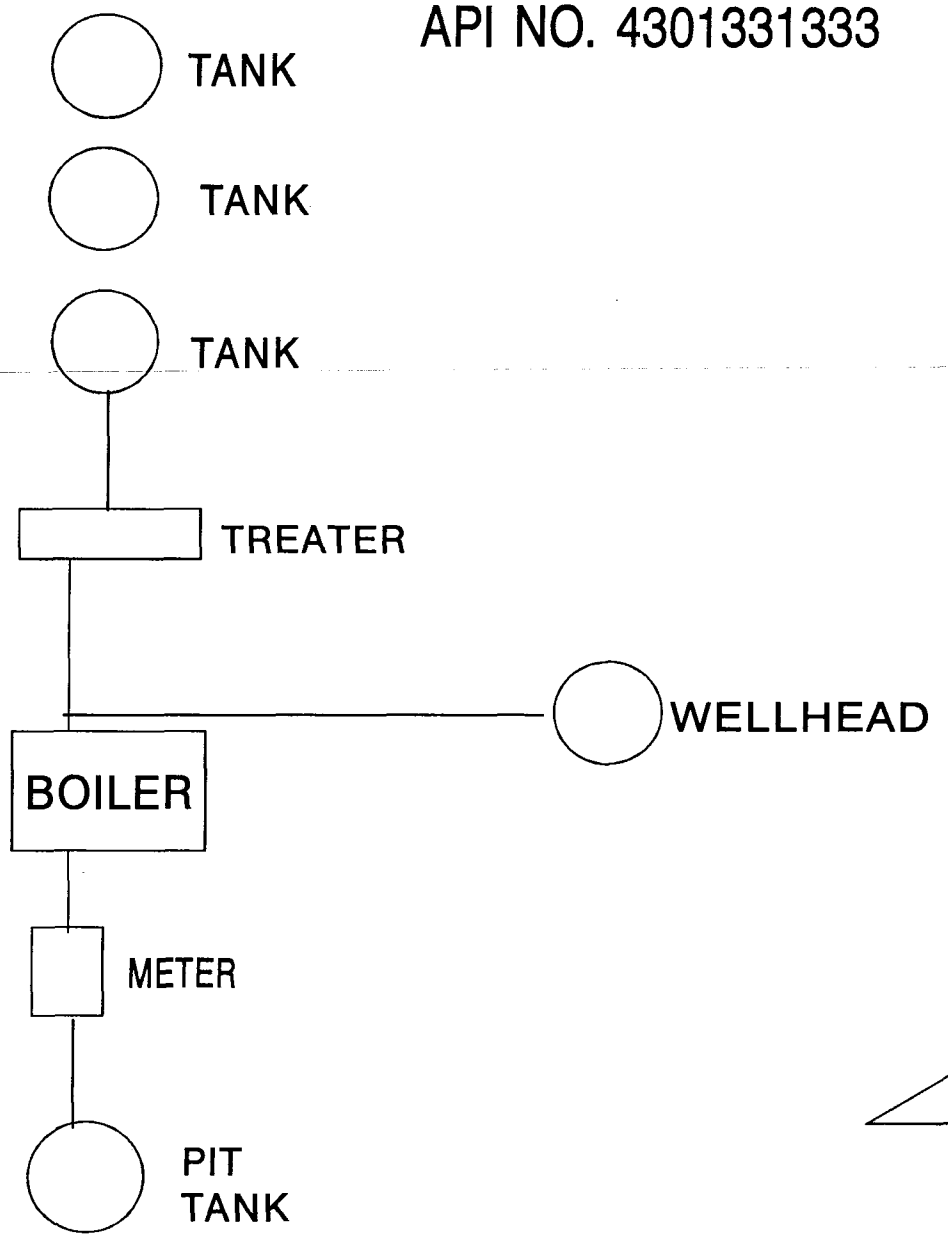
Fee Stipulation

Reserve pit to be lined with a synthetic liner of 12 mil minimum thickness.

0218T

LOCATION PLAT

SUNDANCE 4-15A2
SEC.15 T.1S R2W
DUCHESNE COUNTY, UTAH
API NO. 4301331333



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 22, 1991

Pennzoil Exploration & Production Company
P. O. Box 290
Neola, Utah 84053

Gentlemen:

Re: Sundance 4-15A2 Well, 1600 feet from the North line, 1600 feet from the East line, SW NE, Section 15, Township 1 South, Range 2 West, Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order in Cause No. 139-42 dated April 17, 1985, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

2. Pennzoil Exploration & Production Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.

3. Reserve pit to be lined with a synthetic liner of 12 mil. minimum thickness.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.

2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.

3. Submittal of the Report of Water Encountered During Drilling, Form 7.

4. Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R. J. Firth, Associate Director, (Home) (801) 571-6068.

5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31333.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-3

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

WATER PERMIT OK

SPUDDING INFORMATION

API NO. 43-013-31333

NAME OF COMPANY: PENNZOIL EXPLORATION & PRODUCTION

WELL NAME: SUNDANCE 4-15A2

SECTION SWNE 15 TOWNSHIP 1S RANGE 2W COUNTY DUCHESNE

DRILLING CONTRACTOR DRY HOLE

RIG #

SPUDDED: DATE 9-12-91

TIME 2:30

HOW DRY HOLE

DRILLING WILL COMMENCE

REPORTED BY DON LONGFORD

TELEPHONE # 353-4397

DATE 9-13-91 SIGNED TAS/FRM

Dry Gulch Irrigation Company

OUR SYSTEM EMBRACES FIFTY-THREE THOUSAND ACRES OF FINE
CULTIVATED LAND IN THE HEART OF THE UINTAH BASIN

Capital Stock $800.000

P. O. Box 265
Roosevelt, Utah 84066

August 29, 1991

Utah Water Division
152 East 100 North
Vernal, Utah 84078

RE: Temporary use for drilling of an oil well with Dry Gulch Irrigation Water shares owned by Duane Boren. Section 15: T1S, R2W.

TO WHOM IT MAY CONCERN:

This letter gives authorization to use Dry Gulch Irrigation Water that is to be stored in an existing pond in Section 15: T1S, R2W. This water is to be used for drilling of an oil well.

Dry Gulch Irrigation Company gives Duane Boren permission to sign a temporary use application for subject water shares.

Yours truly

Glenna Brotherson

Glenna Brotherson
Secretary

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Robert L. Morgan
State Engineer

Eastern Area
State/County Building
152 East 100 North
Vernal, Utah 84078-2110
801-781-0770 x 327

September 5, 1991

Dry Gulch Irrigation Company
c/o Pennzoil Exploration and Production Company
P. O. Box 290
Neola, UT 84053

RE: Temporary Change t91-43-09
Water Right No. 43-3093

Dear Mr. Lankford:

The above numbered Temporary Change Application has been approved subject to prior rights. This is approved under Water Right No. 43-3093 (A3062) owned by Duane Boren.

A copy is herewith returned to you for your records and future reference.

Sincerely,

Robert W. Leake, P.E.
Regional Engineer
For Robert L. Morgan, P.E.
State Engineer

RWL/bmw

Enclosure

copy to: Dry Gulch Irrigation Company
Duane Boren

September 5, 1991

Duane Boren
Montwell, Utah

Utah Division of Water Rights
152 E. 100 N.
Vernal, Utah 84078

SUBJECT: Selling Water to Pennzoil

To the Division of Water Rights:

I intend to furnish water to Pennzoil Exploration and Production Company, P.O. Box 290 ; Neola, Utah, for the use of drilling an oil well in Sec. 15, T1S, R2W, in Duchesne County, Utah.

Please grant temporary change of permit to allow me to do so.

Signed

Duane Boren

Duane Boren

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

8. FARM OR LEASE NAME: Sundance

3. ADDRESS OF OPERATOR: P.O. Box 290; Neola, Utah 84053

9. WELL NO.: 4-15A2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1600' FNL and 1600' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Bluebell-Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15, T1S, R2W

14. PERMIT NO.: API 43-013-31333

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5749' (GL)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Water Permit			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Water Permit has been secured to drill the subject well.

See Enclosed Attachments:

1. Application For Temporary Change of Water
2. State Approval for Temporary Change.
3. Permit Holder's Request for Temporary Change.
4. Authorization for Temporary Use by Permit holder from Dry Gulch Irrigation Company.

TIGHT HOLE

RECEIVED
SEP 09 1991
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED DR Lankford TITLE Petroleum Engineer DATE 9/6/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____
Fee Paid $ _____
Receipt # _____
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t91-43-09 **WATER RIGHT NUMBER: 43 - 3093**

****

This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.

****

1. OWNERSHIP INFORMATION.

A. NAME: Dry Gulch Irrigation
c/o Pennzoil Exploration and Production Company
ADDRESS: P. O. Box 290, Neola, UT 84053

B. PRIORITY OF CHANGE: September 5, 1991 **FILING DATE:** September 5, 1991

C. RIGHT EVIDENCED BY: A3062

DESCRIPTION OF CURRENT WATER RIGHT:

2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 42.0 cfs

B. DIRECT SOURCE: Uinta River **COUNTY:** Duchesne

C. POINT OF DIVERSION -- SURFACE:
(1) N 317 feet E 1143 feet from SW corner, Section 31, T 2N, R 1W, USBM
DIVERT WORKS: Cedarview Canal
SOURCE: Uinta River

3. WATER USE INFORMATION.

IRRIGATION: from Mar 1 to Nov 30. IRRIGATING: 1,284.20 acres.

4. **PLACE OF USE.** (Which includes all or part of the following legal subdivisions:)

BASE	TOWN	RANG	SEC	NORTH-EAST¼ NE	NW	SW	SE		NORTH-WEST¼ NE	NW	SW	SE		SOUTH-WEST¼ NE	NW	SW	SE		SOUTH-EAST¼ NE	NW	SW	SE
US	1S	2W	3		X	X		■■■	X	X	X	X	■■■	X		X	X	■■■			X	
			4					■■■					■■■					■■■	X			X
			9	X			X	■■■					■■■					■■■	X	X	X	X
			10		X	X	X	■■■	X	X	X	X	■■■		X			■■■	X			
			11					■■■			X		■■■					■■■				
			14					■■■					■■■	X		X	X	■■■			X	X
			15			X		■■■	X	X	X	X	■■■	X	X			■■■		X		
			16	X	X	X	X	■■■				X	■■■	X			X	■■■	X	X	X	X
			21	X	X	X	X	■■■					■■■					■■■	X			X
			22			X	X	■■■	X	X			■■■		X	X		■■■	X	X	X	X
			27	X	X	X		■■■	X	X	X	X	■■■	X	X	X	X	■■■	X	X	X	X
			28	X			X	■■■					■■■					■■■	X	X	X	X
			33	X	X			■■■					■■■					■■■				
			34	X	X			■■■	X	X	X	X	■■■	X	X			■■■				
			35					■■■		X	X		■■■					■■■				

THE FOLLOWING CHANGES ARE PROPOSED:

5. **SOURCE INFORMATION.**

A. **QUANTITY OF WATER:** 20.0 acre-feet **REMAINING WATER:** Same as HERETOFORE

B. **DIRECT SOURCE:** Unnamed pond **COUNTY:** Duchesne

C. **POINT OF DIVERSION -- SURFACE: Changed as Follows:**
(1) N 2500 feet E 400 feet from S¼ corner, Section 15, T 1S, R 2W, USBM
DIVERT WORKS: Pump into tank trucks
SOURCE: Pond belonging to Duane Boren

D. **COMMON DESCRIPTION:** 3 miles southwest of Neola

6. **WATER USE INFORMATION.** Changed as Follows:

OIL EXPLORATIONfrom 09/05/91 to 03/05/92. Drilling and completion of oil well.

7. **PLACE OF USE.** Changed as Follows:

(Which includes all or part of the following legal subdivisions:)

BASE	TOWN	RANG	SEC	NORTH-EAST¼ NE	NW	SW	SE		NORTH-WEST¼ NE	NW	SW	SE		SOUTH-WEST¼ NE	NW	SW	SE		SOUTH-EAST¼ NE	NW	SW	SE
US	1S	2W	15	X	X	X	X	■■■					■■■					■■■				

8. SIGNATURE OF APPLICANT(S).

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

DR Lambert

Signature of Applicant(s)

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE* (Instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

8. FARM OR LEASE NAME: Sundance

3. ADDRESS OF OPERATOR: P.O. Box 290; Neola, Utah 84053

9. WELL NO.: 4-15A2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1600' FNL and 1600' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Bluebell-Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15, T1S, R2W

14. PERMIT NO.: API 43 013 31333

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5749' (GL)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Conductor Hole Spud Notification			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Conductor hole was spudded by Bill Jr. Rathole Machine 2:30 PM 9/12/91.

TIGHT HOLE

RECEIVED
SEP 16 1991
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED DR Cameron TITLE Petroleum Engineer DATE 9/13/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form OGC-1b

SUBMIT IN TRIPLICATE* (See other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: Fee Land

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

8. FARM OR LEASE NAME: Sundance

3. ADDRESS OF OPERATOR: P.O. Box 290; Neola, Utah 84053

9. WELL NO.: 4-15A2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1600' FNL and 1600' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Bluebell-Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15, T1S, R2W

14. PERMIT NO.: API 43 013 31333

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5749' (GL)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)		Report of Spud	[X]
(Other)	[ ]			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was spudded with Forwest Rig 5 at 1:00 PM 9/23/91

TIGHT HOLE

RECEIVED
SEP 26 1991
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED DR Lankford TITLE Petroleum Engineer DATE 9/25/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Pennzoil Expl. & Prod. Co.

ADDRESS P.O. Box 2967
Houston, Tx 77252-2967

OPERATOR ACCT. NO. N2885

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11269	4301331333 00	Sundance 4-15A2	SWNE	15	1S	2W	Duchesne	9/23/91	9/23/91
WELL 1 COMMENTS: Fee-Lease Field-Bluebell Unit-N/A Prop. Zone-WSTC Entity added 9-30-91. fer											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED
SEP 27 1991
DIVISION OF
OIL GAS & MINING

Elizabeth O. Trayler
Signature
Staff Acct. III
Title
9/26/91
Date
Phone No. (713) 546-6969

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

2450 INDUSTRIAL BLVD. PHONE (303) 243 3044 GRAND JUNCTION, COLORADO 81505

December 9, 1991

Ron Schneider
Pennzoil Company
700 Milam
Houston, TX 77002

Dear Mr. Schneider:

Enclosed are the final logs on your 4-15A2 Sundance well, located in Section 15, T1S, R2W of Duchesne County, Utah.

We appreciated the opportunity to serve you. If we can be of any further assistance to you in the evaluation of zones encountered, please feel free to contact us.

We are looking forward to working with you again in the near future. Thank you again.

Respectfully,

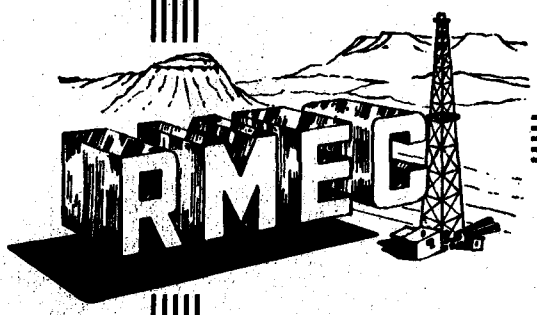
Andy Kelley
President

AWK:slm

DRY CUTS: 1 set shipped UPS to Pennzoil on 12/06/91, Attn: R. Schneider
1 set shipped UPS to Utah Oil, Gas & Mining on 12/06/91

ENC: 4 Final Logs

XCC: 1 Final Log - PENNZOIL CO.; D. Laman; Neola, UT
1 Final Log - UTAH OIL, GAS & MINING; Salt Lake City, UT
1 Final Log - EXXON JOINT INTEREST GROUP; L.E. Sailer; Midland, TX
3 Final Logs - ANR COASTAL OIL & GAS CORP.; J.R. Kennedy; Devner, CO
2 Final Logs - HAMILL ENERGY CO.; T. H. Brown; Houston, TX
1 Final Log - CONVEST ENERGY CORP.; D. Steven Tipton, Houston, TX
2 Final Logs - WHITING PET. CORP.; S. Artus; Denver, CO
1 Final Log - FORCENERGY CENTER; K. Fagan; Miami, FL



PENNZOIL COMPANY

4-15A2 SUNDANCE

SECTION 1, T1S, R2W

DUCHESNE COUNTY, UTAH

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY & MUD LOGGING

2450 Industrial Blvd. Grand Junction, Colorado 81505
Phone (303) 243-3044

ROCKY MOUNTAIN GEO-ENGINEERING CO.

BIT RECORD – FT PER/DAY

WELL NAME:	4-15A2 SUNDANCE	ELEVATION:	GL 5748', KB 5771'
COMPANY:	PENNZOIL CO	SECTION:	1,T1S,R2W
CONTRACTOR:	FORWEST RIG#5	COUNTY & STATE:	DUCHESNE,UTAH
SPUD DATE:	10/23/91	T.D. DATE:	12/5/91

BIT RECORD

RUN	SIZE	MAKE	TYPE	IN/OUT	FTG	HOURS	FT/HR
1	13 1/2	STC	DSJ	1226	1153	40.5	28.5
2	"	REED	HP51A	3498	2272	87.5	26.0
3	9 7/8	REED	HP51AJ	6567	3069	93.5	32.8
4	"	REED	HP61	6937	370	23.5	15.7
5	"	HTC	ATJ55R	7726	789	57.5	13.7
6	"	REED	HP63J	9126	1400	89.5	15.6
7	"	REED	HP63	9690	564	41.0	13.8
8	"	REED	HPC3	10410	720	78.0	9.2
9	"	REED	HP63J	10722	332	36.5	9.1
10	6 1/4	STC	FTD	10739	17	3.0	5.7
11	"	STC	F4A	11242	503	73.0	6.9
12	"	STC	F4A	11484	242	49.0	4.9
13	"	CHRIS	D331	11902	418	90.5	4.6
14	"	STC	F4A	12294	392	84.5	4.6
15	"	HTC	J44C	12362	68	16.0	4.3
16	"	CHRIS	D262	12610	248	63.0	3.9
17	"	CHRIS	D331	12971	361	89.5	4.0
18	"	STC	D71H	12989	18	7.0	2.6
19	"	STC	F4A	13380	391	98.0	4.0
20	"	STC	F2	13484	104	34.0	3.1
21	"	STC	PDCM21E	13573	89	25.0	3.6
22	"	CHRIS	D262	14010	437	101.0	4.3
				TD			

1991 FT PER/DAY

DATE	DEPTH	FT
RU/LOG	6100	273
10/5	6373	194
10/6	6567	121
10/7	6688	249
10/8	6937	303
10/9	7240	319
10/10	7559	196
10/11	7755	379
10/12	8134	384
10/13	8518	348
10/14	8866	260
10/15	9126	161
10/16	9287	348
10/17	9635	55
10/18	9690	235
10/19	9925	202
10/20	10127	214
10/21	10341	91
10/22	10432	209
10/23	10641	81
10/24	10722	0
10/25	10722	0
10/26	10722	0
10/27	10722	14
10/28	10736	83
10/29	10819	147
10/30	10966	167
10/31	11133	109
11/1	11242	93
11/2	11335	75
11/3	11410	74
11/4	11484	103
11/5	11587	112
11/6	11699	112
11/7	11811	87
11/8	11897	32
11/9	11929	100
11/10	12029	121
11/11	12140	116
11/12	12256	72
11/13	12328	34
11/14	12362	80
11/15	12442	98
11/16	12540	70
11/17	12610	64
11/18	12674	98
11/19	12772	87
11/20	12859	91
11/21	12950	21

1991 FT PER/DAY

DATE	DEPTH	FT
11/22	12971	18
11/23	12989	76
11/24	13065	83
11/25	13148	100
11/26	13248	102
11/27	13350	34
11/28	13384	74
11/29	13458	56
11/30	13514	59
12/1	13573	62
12/2	13635	104
12/3	13739	109
12/4	13848	93
12/5	13941	69
TD	14010	12/5/91

DEVIATION SURVEY

COMPANY NAME: PENNZOIL CO. COUNTY: DUCHESNE

WELL NAME: 4-15A2 SUNDANCE STATE: UTAH

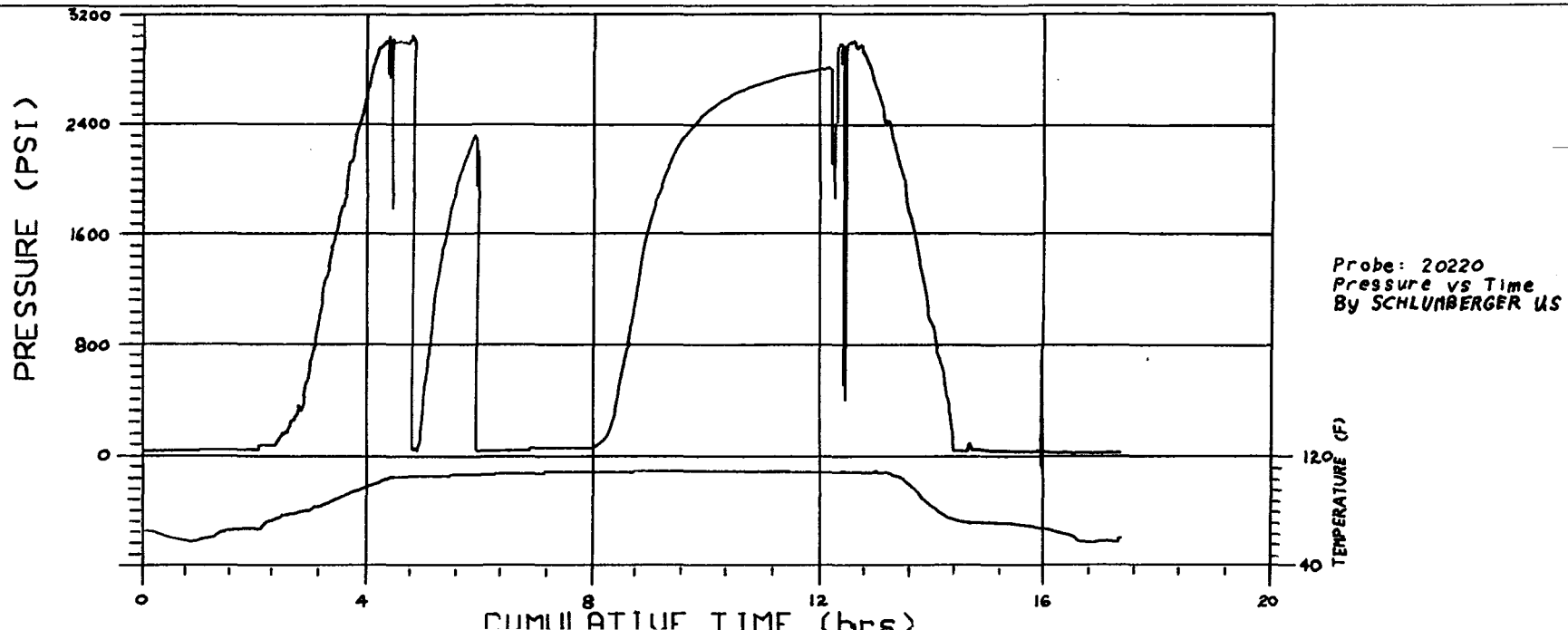
DEPTH	DEV.	DIR.	DEPTH	DEV.	DIR.	DEPTH	DEV.	DIR.
6011'	1/4°							
6537'	3/4°							
6890'	1/2°							
7944'	3/4°							
7700'	3/4°							
8205'	1/2°							
8700'	3/4°							
9126'	3/4°							
9610'	1°							
10116'	3/4°							
10389'	1°							
10701'	1 1/2°							
11230'	1 1/2°							
11484'	MR							
11880'	1°							
12302'	1 1/2°							
12610'	2 1/2°							
12989'	3°							

DST NUMBER: ONE **INTERVAL TESTED:** 6520'-6567' **BHT:** 118°

	PSI	TIME
Initial Hydrostatic:	3006	
Initial Flow:	40/40	5 MIN.
Initial Shut In:	2304	60 MIN.
Final Flow:	40/40	120 MIN.
Final Shut In:	2835	258 MIN.
Final Hydrostatic:	3006	

Remarks: 2480 c.c. mud sampler pressure 4 psig PIPE RECOVERY 88' MUD

Chart:



FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/5/91	4-15A2 Sundance	1

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6465-6469'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
1.5 min / ft	1.5 min / ft	3 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

80% SH: 10% yel, 10% red, 10% grn, 70% ltgy; sft-frm, plty-blky occ sl slty, occ sl calc, wxy ip

20% SS: ltgy-clr, vfgr, m-pcmt, msrt, sbang-sbrd, slty

GAS INFORMATION

DEPTH (feet)	6464	6467	6470				
TOTAL (units)	3	55	18				
C1 (ppm)	350	3300	1080				
C2 (ppm)	- - -	320	104				
C3 (ppm)	- - -	265	87				
IC4 (ppm)	- - -	100	33				
NC4 (ppm)	- - -	100	33				
NET INCREASE (units)		52					
RATIO (Pk : BG)		18.33:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/5/91	4-15A2 Sundance	2

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6490-6492'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
2.5 min / ft	2 min / ft	2 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

90% SH: 20% yel, 10% grn, 35% ltgy 35% brn; sft-slfrm, blky-plty, occ sl slty
occ sl slty, occ sl-mod calc

GAS INFORMATION

DEPTH (feet)	6489	6491	6493				
TOTAL (units)	8	75	20				
C1 (ppm)	600	5360	1400				
C2 (ppm)	70	243	65				
C3 (ppm)	tr	332	88				
IC4 (ppm)	tr	80	20				
NC4 (ppm)	tr	90	20				
NET INCREASE (units)		67					
RATIO (Pk : BG)		9.38:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/5/91	4-15A2 Sundance	3

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6496-6498'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
1 min / ft	1.5 min / ft	1.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

90% SH: 20% yel, 10% grn, 35% ltgy, 35% brn; sft-sl frm, blky-plty, occ sl slty
occ sl-mod calc
10% SS: ltgy-clr vfgr m-pcmt, wsrt, sbang-sbrd occ slty, sl calc

GAS INFORMATION

DEPTH (feet)	6495	6497	6499				
TOTAL (units)	10	72	10				
C1 (ppm)	700	5260	730				
C2 (ppm)	33	240	30				
C3 (ppm)	44	328	40				
IC4 (ppm)	tr	80	tr				
NC4 (ppm)	tr	90	tr				
NET INCREASE (units)		62					
RATIO (Pk : BG)		7.2:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water 8.4#

CORRELATION W / CONTROL WELL (S)

Drilling with water 8.4#

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/5/91	4-15A2 Sundance	4

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6522-6560'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3.5 min / ft	2 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

6490-6570 is a Lacustrine interval; 40-60% blk and dark brown shale, weak oil cut from brn shale.

6500-40 10% yel, 10% red, 30% grn 10% ltgy, 40% brn
6540-50 10% yel, 10% red, 10% grn 30% ltgy, 40% brn
6550-67 10% yel, 10% red, 10% grn 10% ltgy, 60% brn

GAS INFORMATION

DEPTH (feet)	6520	6528	6538	6544	6552	6558	6560
TOTAL (units)	8	25	26	24	26	30	10
C1 (ppm)	550	1920	2000	1820	2020	2395	750
C2 (ppm)	25	75	80	80	80	110	60
C3 (ppm)	35	100	110	90	100	125	70
IC4 (ppm)	tr	20	20	20	20	30	tr
NC4 (ppm)	tr	25	25	25	25	35	tr
NET INCREASE (units)	-	17	18	16	18	22	
RATIO (Pk : BG)		3.13:1	3.25:1	3:1	3.25:1	3.75:1	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drillg with water, 8.4#

CORRELATION W / CONTROL WELL (S)

Interval of show correlates to DST #1 at 2-14A2 Cornaby & structure is flat to this well.

RECOMMENDED PACKER SEAT

6514

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91	4-15A2 Sundance	5

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6590-6594'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
2.5 min / ft	2.5 min / ft	2.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% yel 5%red 20% gn 60% ltgy 5% dkgy

30% SS ltgy vf-fgr calc sbang-sbrd wsrt cly fl tt NFSOC

GAS INFORMATION

DEPTH (feet)	6590	6592	6595				
TOTAL (units)	7	16	6				
C1 (ppm)	644	1370	552				
C2 (ppm)	59	95	51				
C3 (ppm)	35	131	30				
IC4 (ppm)	tr	70	tr				
NC4 (ppm)	tr	64	tr				
NET INCREASE (units)		9					
RATIO (Pk : BG)		2.2:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling With Water, 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91	4-15A2 Sundance	6

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6611-6615

AVERAGE DRILL RATE BEFORE SHOW		AVERAGE DRILL RATE DURING SHOW	
3	min / ft	2.5	min / ft

AVERAGE DRILL RATE AFTER SHOW	
2.5	min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 10% yel, 20% red, 25% grn, 40% ltgy, 5%, brn

TR ss ltgy vfgr m-wcmt wsrt sl calc tt arg occ glac

GAS INFORMATION

DEPTH (feet)	6610	6612	6618				
TOTAL (units)	3	21	8				
C1 (ppm)	242	1693	644				
C2 (ppm)	26	102	39				
C3 (ppm)	13	137	35				
IC4 (ppm)	tr	38	tr				
NC4 (ppm)	tr	52	tr				
NET INCREASE (units)		18					
RATIO (Pk : BG)		7:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91 ,	4-15A2 Sundance	7

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6649-6683'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3.5 min / ft	3 min / ft

AVERAGE DRILL RATE AFTER SHOW: 5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

6640 SH: 25% yel, 10% red, 5% grn, 50% ltgy, 10% brn	10% SS
6650 SH: 30% yel, 10% red, 20% grn, 30% ltgy, 10% brn	20% SS
6660 SH: 30% yel, 30% red, 10% grn, 20% ltgy, 10% brn	20% SLTST 10% SS
6670 SH: 30% yel, 10% red, 20% grn, 40% ltgy,	10% SLTST 20% SS
6680 SH: 30% yel, 10% red, 60% ltgy	20% SLTST 10% SS
6690 SH: 20% yel, 20% red, 60% ltgy	10% SS

Tr Pale yel strm from Brown Shale @ 6660

SLTST brn blky frm calc

SS off wh vfgr wcmt wrd-sbrd wsrt sl calc arg tt

GAS INFORMATION

DEPTH (feet)	6648	6650	6662	6666	6672	6684	
TOTAL (units)	6	53	43	63	66	9	
C1 (ppm)	492	3864	3220	4324	4692	640	
C2 (ppm)	30	256	192	384	320	44	
C3 (ppm)	26	380	266	456	418	56	
IC4 (ppm)	12	285	285	475	427	58	
NC4 (ppm)	14	130	195	196	130	18	
NET INCREASE (units)		47	37	57	60		
RATIO (Pk : BG)		8.8:1	7.1:1	10.5:1	11:1		

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91	4-15A2 Sundance	8

FORMATION	DEPTH OF SHOW INTERVAL
Green River /Tg2	6706-6708'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
3 min / ft	3 min / ft	2.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 25%yel, 20% grn, 30% ltgy, 25% dkgy, plty-blky sft-frm, sl-non calc

GAS INFORMATION

DEPTH (feet)	6704	6707	6710				
TOTAL (units)	15	110	30				
C1 (ppm)	1380	9020	2460				
C2 (ppm)	100	480	131				
C3 (ppm)	50	470	128				
IC4 (ppm)	50	470	128				
NC4 (ppm)		95					
NET INCREASE (units)		7:33:1					
RATIO (Pk : BG)							

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Trace Oil Rainbows in mud, Drilling with water, 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91	4-15A2 Sundance	9

FORMATION	DEPTH OF SHOW INTERVAL
Green River / Tg2	6745-6747'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
3.5 min / ft	2.5 min / ft	3.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 30% yel, 20% red, 20% grn, 30% ltgy, plty-blky sft-frm occ sl slty occ calc

GAS INFORMATION

DEPTH (feet)	6744	6746	6750				
TOTAL (units)	40	236	30				
C1 (ppm)	3290	236	30				
C2 (ppm)	170	1007	102				
C3 (ppm)	200	897	121				
IC4 (ppm)	173	745	70				
NC4 (ppm)	175	500	60				
NET INCREASE (units)		196					
RATIO (Pk : BG)		5.9:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4# Trace oil Rainbow in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91	4-15A2	10

FORMATION	Green River / Tg2	DEPTH OF SHOW INTERVAL	6759-6762'
AVERAGE DRILL RATE BEFORE SHOW	4 min / ft	AVERAGE DRILL RATE DURING SHOW	4.5 min / ft
AVERAGE DRILL RATE AFTER SHOW	5 min / ft		

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 20% yel, 10% red, 20% grn, 25% ltgy, 25% dkgy

SS: 10% ltgy-clr vfgr p-mcmt wsrt sbang-sbrd slty

GAS INFORMATION

DEPTH (feet)	6758	6761	6764				
TOTAL (units)	30	75	20				
C1 (ppm)	3038	7430	1836				
C2 (ppm)	102	307	102				
C3 (ppm)	121	360	121				
IC4 (ppm)	70	228	100				
NC4 (ppm)	60	200	100				
NET INCREASE (units)		45					
RATIO (Pk : BG)		2.5:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4#

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/7/91	4-15A2 Sundance	11

FORMATION	DEPTH OF SHOW INTERVAL
Green River / Tg2	6880-6882

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
4 min / ft	4 min / ft	4.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 30% yel, 20% red, 30% grn, 10% ltgy 10% dkgy, tr brn tr slow yel cut, no flor

SS: 10% ltgy vfgr-slt pcmt wsrt sbang-sbrd calc

GAS INFORMATION

DEPTH (feet)	6880	6881	6884				
TOTAL (units)	20	60	23				
C1 (ppm)	1900	5300	2100				
C2 (ppm)	100	409	125				
C3 (ppm)	110	486	125				
IC4 (ppm)	45	150	65				
NC4 (ppm)	50	155	70				
NET INCREASE (units)		40					
RATIO (Pk : BG)		3:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4#, Trace light brown oil in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/8/91	4-15A2 Sundance	13

FORMATION	DEPTH OF SHOW INTERVAL
Green River	6982-6984'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
3 min / ft	3 min / ft	4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 25% yel, 15% ltgy, 25% Dkgy, 35% brn,

slow yellow cut

SS: ltgy vfgr pcmt wsrt sbrd slty tr oil stn

GAS INFORMATION

DEPTH (feet)	6980	6983	6986				
TOTAL (units)	65	120	40				
C1 (ppm)	5820	11200	3000				
C2 (ppm)	310	460	186				
C3 (ppm)	240	450	180				
IC4 (ppm)	90	160	70				
NC4 (ppm)	115	200	90				
NET INCREASE (units)		55					
RATIO (Pk : BG)		1.85:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4# Trace of brown oil in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/8/91	4-15A2 Sundance	14

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7016-7020'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
3 min / ft	2.5 min / ft	4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 15% yel, 10% grn, 15% ltgy, 20% dkgy, 40% brn

slow yellow cut

SS: 20% ltgy clr-ltgy vfgr-slt, pcmt, wsrt sbrd, sl calc

GAS INFORMATION

DEPTH (feet)	7014	7018	7022				
TOTAL (units)	44	216	50				
C1 (ppm)	3200	20700	4320				
C2 (ppm)	187	1300	190				
C3 (ppm)	182	828	180				
IC4 (ppm)	70	338	75				
NC4 (ppm)	70	230	70				
NET INCREASE (units)		172					
RATIO (Pk : BG)		4.9:1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4# Trace-fair brn oil in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/8/91	4-15A2 Sundance	15

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7058-7074'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
5 min / ft	4 min / ft	5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 15% yel 25% ltgy, 15% dkgy, 45% brn good yel flor, fast yel cut

SS: ltgy-clr vfgr p-mcmt sbrd wsrt occ calc & arg

GAS INFORMATION

DEPTH (feet)	7058	7060	7064	7066	7068	7076	
TOTAL (units)	55	150	190	220	240	160	
C1 (ppm)	4900	14700	17500	21700	23100	15800	
C2 (ppm)	265	649	826	944	1030	700	
C3 (ppm)	207	640	820	940	1025	690	
IC4 (ppm)	110	404	500	510	556	336	
NC4 (ppm)	100	330	380	462	505	230	
NET INCREASE (units)		95	135	165	185		
RATIO (Pk : BG)		2.73	3.45	4	4.36		

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4# increase oil in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/8/91	4-15A2 Sundance	16

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7088-7093'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
5 min / ft	5.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 10% yel 15% ltgy, 25% dkgy, 50% brn, frm blky occ calc

SS: 40% ltgy-clr vfgr-slt p-mcmt wsrt sbrd occ calc

fair yellow flor, good yellow cut

GAS INFORMATION

DEPTH (feet)	7086	7090	7096				
TOTAL (units)	140	480	300				
C1 (ppm)	13140	46720	28032				
C2 (ppm)	590	1888	1416				
C3 (ppm)	552	1656	1380				
IC4 (ppm)	253	676	500				
NC4 (ppm)	230	462	410				
NET INCREASE (units)		340					
RATIO (Pk : BG)		3.43					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water 8.4#, fair - goog brown-black oil in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/9/91	4-15A2	17

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7233-7234'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
6 min / ft	6 min / ft	5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: yel, 10% gn 20% ltgy, 10% dkgy, 30% brn

SH brn blky hd dolo & sdy

SS: 70% off wh occ brn vfgr pcmt abn lse qtz gr, sbang-ang wsrt vcalc arg occ mica & pyr occ tr stn

GAS INFORMATION

DEPTH (feet)	7232	7234	7236				
TOTAL (units)	170	250	150				
C1 (ppm)	16936	20732	14600				
C2 (ppm)	661	1015	684				
C3 (ppm)	731	1201	800				
IC4 (ppm)	406	608	406				
NC4 (ppm)	474	475	301				
NET INCREASE (units)		80					
RATIO (Pk : BG)		1.47					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water, 8.4#, Slight increase brown oil beads over shaker. Surface coverage 5% prier, 10% during, 5% after.

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/10/91	4-15A2 Sundance	18

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7544-7548'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
4 min / ft	3 min / ft	7 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH: 10% yel 90% brn frm-hd, blky calc-lmy no flor, fast yel mlky cut

GAS INFORMATION

DEPTH (feet)	7544	7546	4550				
TOTAL (units)	100	190	100				
C1 (ppm)	9800	17720	9830				
C2 (ppm)	413	620	415				
C3 (ppm)	470	944	473				
IC4 (ppm)	220	312	230				
NC4 (ppm)	210	310	220				
NET INCREASE (units)		90					
RATIO (Pk : BG)		1.9					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

Drilling with water 8.4#, Incr. oil in mud

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/11/91	4-15A2 SUNDANCE	19

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7914'-7915'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 30% YELLOW 10% RED 20% LIGHT GRAY 20% DARK GRAY 20% BROWN

10% SS: clr frst vfgr sb-wrd wcmt sl calc frm arg tr spty dull orng flor-flash mky pale yellow cut- res dark with orng flor

GAS INFORMATION

DEPTH (feet)	7913'	7915'	7917'				
TOTAL (units)	80	180	60				
C1 (ppm)	6,720	12,040	4,143				
C2 (ppm)	180	566	228				
C3 (ppm)	360	720	254				
IC4 (ppm)	120	468	122				
NC4 (ppm)	73	440	94				
NET INCREASE (units)		100	-20				
RATIO (Pk : BG)		1.25/1	.75/1				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.4 SL. INCR IN OIL OVER SHAKER

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 787 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/11/91	4-15A2 SUNDANCE	20

FORMATION	DEPTH OF SHOW INTERVAL
Green River	7942' - 7956'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
3 min / ft	4 min / ft	4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% YELLOW 10% RED 20% GREEN 20% LIGHT GREY 10% DARK GREY 30% BROWN

flash to mlky cut - dk res/orng flor

GAS INFORMATION

DEPTH (feet)	7941'	7951'	7951'				
TOTAL (units)	45	150	65				
C1 (ppm)	3107	11025	4778				
C2 (ppm)	171	525	228				
C3 (ppm)	140	465	202				
IC4 (ppm)	91	264	79				
NC4 (ppm)	70	105	20				
NET INCREASE (units)		105	20				
RATIO (Pk : BG)		3.33/1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.3+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/11/91	4-15A2 SUNDANCE	21

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	7972' - 7974

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% YELLOW 10% RED 20% LIGHT GREY 50% DARK GREY 10% BROWN

TR SS clr frstd vf gr uncons sbrd w srt

flash pale yel/mlky strmg cut res dk orng flor

GAS INFORMATION

DEPTH (feet)	7970'	7973'	7975'				
TOTAL (units)	70	265	55				
C1 (ppm)	5110	19345	4015				
C2 (ppm)	280	1060	220				
C3 (ppm)	336	1272	264				
IC4 (ppm)	168	636	132				
NC4 (ppm)	128	486	101				
NET INCREASE (units)		195	-15				
RATIO (Pk : BG)		3.8/1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.3+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/11/91	4-15A2 SUNDANCE	22

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8077' - 8080
AVERAGE DRILL RATE BEFORE SHOW: 5 min / ft	AVERAGE DRILL RATE DURING SHOW: 5 min / ft
AVERAGE DRILL RATE AFTER SHOW: 5 min / ft	

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% rd 10% gn 20% ltgy 40% brn

SH dkbrn v calc/lmy grdg to arg LS slty ip occ sbwxy immed strmg yel/bl cut

SS trnsl brn vf gr ang-sbang m-w srt fri p cmt gd Ø occ slty

GAS INFORMATION

DEPTH (feet)	8076'	8078'	8080'				
TOTAL (units)	60	150	80				
C1 (ppm)	4340	11025	5800				
C2 (ppm)	200	535	320				
C3 (ppm)	240	460	380				
IC4 (ppm)	160	260	190				
NC4 (ppm)	110	180	150				
NET INCREASE (units)		90	+20				
RATIO (Pk : BG)		2.5/1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH FRESH WATER 8.3+ TR OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	23

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8112' - 8116'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3½ min / ft	3 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3½ min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% rd 10% gn 10% ltgy 50% brn

SH brn-dkbrn sbblky-sbplty frm-v hd/brit occ grdg to arg LS v calc slty ip occ dul yel flor w/immed flash bl/yel cut

TRACE SS clr trnsl vf gr ang m srt p cmt fri

GAS INFORMATION

DEPTH (feet)	8112'	8116'	8118'				
TOTAL (units)	90	170	80				
C1 (ppm)	6720	11550	6300				
C2 (ppm)	300	625	300				
C3 (ppm)	240	510	240				
IC4 (ppm)	160	288	160				
NC4 (ppm)	110	165	110				
NET INCREASE (units)		80	-10				
RATIO (Pk : BG)		1.89/1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH FRESH WATER 8.3+ TR OIL BEADS IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	24

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8239' - 8944'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% ltgy 70% brn

30% SS clr frstd occ mlky vf gr uncons sbang w srt occ sl cons frm lmy m-p cmt mod gd Ø

GAS INFORMATION

DEPTH (feet)	8238'	8240'	8245				
TOTAL (units)	40	110	60				
C1 (ppm)	3406	8470	5110				
C2 (ppm)	173	477	260				
C3 (ppm)	176	484	264				
IC4 (ppm)	64	176	96				
NC4 (ppm)	51	141	77				
NET INCREASE (units)		70	20				
RATIO (Pk : BG)		2.75/1	1.5/1				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH FRESH WATER 8.4 SL INCR OIL OVER SHAKER

DTG @ 8255' TG 350U (290 net incr)

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	25

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8264' - 8282

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3.5 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% gn 10% ltgy 80% brn

30% SS clr frstd vf gr uncons sbang-ang w srt occ m gr-w rdd

FLASH BRI MLKY YELBL CUT/STRM RES DK ORNG FLOR

GAS INFORMATION

DEPTH (feet)	8262	8268	8280	8284			
TOTAL (units)	60	140	100	50			
C1 (ppm)	4200	9800	7000	3500			
C2 (ppm)	252	588	460	210			
C3 (ppm)	307	717	518	256			
IC4 (ppm)	112	261	187	93			
NC4 (ppm)	87	205	147	73			
NET INCREASE (units)		80	40	-10			
RATIO (Pk : BG)		7/3	5/3	1/.8			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH FRESH WATER 8.4 SL INCR OIL OVER SHAKER 20% SURFACE COVERAGE

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	26

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8293' - 8312'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% yel 10% gn 10% dkgy 70% brn

SS 40% clr frstd vf gr occ m gr pred sbang w rdd m srt uncons

FLASH PALE MLKY CUT/STRM RES DK ORNG FLOR

GAS INFORMATION

DEPTH (feet)	8292'	8302'	8312'				
TOTAL (units)	55	150	70				
C1 (ppm)	3850	10957	5113				
C2 (ppm)	231	522	243				
C3 (ppm)	281	470	219				
IC4 (ppm)	101	209	97				
NC4 (ppm)	82	330	154				
NET INCREASE (units)		95	15				
RATIO (Pk : BG)		2.7/1	1.3/1				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.4 TR OIL OVER SHAKER

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	27

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8312' - 8338'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
5 min / ft	3.5 min / ft	4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% ltgy 70% brn

10% SS clr frstd vf gr sbang-ang w rdd-sbrd p cmt uncons

GAS INFORMATION

DEPTH (feet)	8312'	8324'	8336'	8340'			
TOTAL (units)	70	150	110	90			
C1 (ppm)	5113	11200	9069	7420			
C2 (ppm)	243	630	440	360			
C3 (ppm)	219	640	396	324			
IC4 (ppm)	97	416	154	130			
NC4 (ppm)	154	330	181	149			
NET INCREASE (units)		80	40	20			
RATIO (Pk : BG)		2.1/1	1.6/1	1.3/1			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.4 TR OIL OVER SHAKER

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	28

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8388' - 8394
AVERAGE DRILL RATE BEFORE SHOW: 4 min / ft	AVERAGE DRILL RATE DURING SHOW: 4 min / ft
AVERAGE DRILL RATE AFTER SHOW: 4 min / ft	

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% yel 10% gn 80% brn

SH dk brn sbblky-sbplty frm-m hd/brit slty ip occ sl trnsl loc grdg to arg LS occ w/ yel flor immed flash/strmg yelbl cut

TR SS trnsl brn vf-f gr ang-sbang m srt thn strgrs calc/arg cmt occ unsons

GAS INFORMATION

DEPTH (feet)	8386'	8392'	8396'				
TOTAL (units)	50	170	60				
C1 (ppm)	3360	11900	4130				
C2 (ppm)	200	700	300				
C3 (ppm)	180	840	300				
IC4 (ppm)	80	320	120				
NC4 (ppm)	55	300	110				
NET INCREASE (units)		120	+10				
RATIO (Pk : BG)		3.4/1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.4 TR OIL BEADS IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/12/91	4-15A2 SUNDANCE	29

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8424' - 8428'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4.5 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 30% yel 20% rd 20% gn 30% brn

SH dk brn sl trnsl sbblky-sbplty v hd-sl sft sbwxy ip occ brit-grdg to arg LS sl slty ip occ sdy strgrs occ w/immed yelbl flash cut

TR SS strgrs

GAS INFORMATION

DEPTH (feet)	8424'	8426'	8428'				
TOTAL (units)	80	230	90				
C1 (ppm)	6300	15400	6440				
C2 (ppm)	300	900	300				
C3 (ppm)	740	960	240				
IC4 (ppm)	80	400	160				
NC4 (ppm)	55	220	110				
NET INCREASE (units)		150	+10				
RATIO (Pk : BG)		2.88/1					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.4 TR DK BRN OIL BEADS IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/13/91	4-15A2 SUNDANCE	30

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8510' - 8530'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 30% yel 20% rd 20% gn 30% brn

SH dkbrn sbblky-sbplty sl sft-v hd/brit grdg to arg LS v calc poss w/dk O stn occ carb lam immed strmg yelbl cut ip

GAS INFORMATION

DEPTH (feet)	8510'	8530'	8536'				
TOTAL (units)	100	270	100				
C1 (ppm)	7980	22400	7840				
C2 (ppm)	400	900	300				
C3 (ppm)	360	960	240				
IC4 (ppm)	160	320	160				
NC4 (ppm)	110	220	110				
NET INCREASE (units)							
RATIO (Pk : BG)							

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH WATER 8.4 TRACE OIL IN MUD W/RAINBOW SHEEN ON SURFACE

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/13/91	4-15A2 SUNDANCE	31

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8550' - 8558'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3.5 min / ft	4 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% rd 10% ltgy 60% brn

TR SS clr trnsl vf-f gr ang-sbang m srt fri-uncons p cmt

SH brn sbblky-sbplty frm-m hd v calc occ grdg to arg LS loc w/yel flor & flash yelbl mlky strmg cut dk brnblk res

GAS INFORMATION

DEPTH (feet)	8549'	8554'	8560'				
TOTAL (units)	60	180	60				
C1 (ppm)	4900	6300	4932				
C2 (ppm)	200	300	184				
C3 (ppm)	180	180	166				
IC4 (ppm)	80	160	55				
NC4 (ppm)	55	110	51				
NET INCREASE (units)		120	0				
RATIO (Pk : BG)		3					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO INDICATION OF TORQUE DRILLING WITH WATER 8.4+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/13/91	4-15A2 SUNDANCE	32

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8560' - 8578'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3+ min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 40% yel 20% rd 20% ltgy 10% dkgy 10% brn

TR SS clr wh trnsl vf gr ang-sbang uncons p cmt calc w srt

FLASH YELBL STRMG CUT W/DK BRN RES IN TOTAL SPL

GAS INFORMATION

DEPTH (feet)	8559'	8573'	8579'				
TOTAL (units)	60	150	65				
C1 (ppm)	4932	12329	5343				
C2 (ppm)	184	554	240				
C3 (ppm)	166	578	251				
IC4 (ppm)	55	332	144				
NC4 (ppm)	51	241	104				
NET INCREASE (units)		90	+5				
RATIO (Pk : BG)		2.5					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

TO TORQUE MUD WT 8.4+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/13/91	4-15A2 SUNDANCE	33

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8582' - 8595'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3 min / ft	4 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 50% yel 20% rd 10% ltgy 20% brn

SS 10% clr vf-f gr ang-sbang uncons p cmt w srt tr mic incl tr pyr occ w/vis brn

O stn 10% sptty orng flor w/flash strmg yelbl cut & dk brn res

GAS INFORMATION

DEPTH (feet)	8580'	8583'	8596'				
TOTAL (units)	65	245	65				
C1 (ppm)	5343	20137	5343				
C2 (ppm)	240	904	240				
C3 (ppm)	251	945	251				
IC4 (ppm)	144	543	144				
NC4 (ppm)	104	394	104				
NET INCREASE (units)		180	0				
RATIO (Pk : BG)		3.8					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/13/91	4-15A2 SUNDANCE	34

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8596' - 8604'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4.5 min / ft	4 min / ft

AVERAGE DRILL RATE AFTER SHOW: 5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence. cuts)

SH 60% yel 10% gn 10% ltgy 10% dkgy 10% brn

SS 40% clr wh vf-f gr ang-sbang m-w srt uncons-fri p cmt calc fr Ø occ sptty yel flor

FLASH MLKY YELBL STRMG CUT IN TOTAL SPL W/DK BRN RES/ORNG FLOR

GAS INFORMATION

DEPTH (feet)	8596'	8602'	8605'			
TOTAL (units)	65	195	60			
C1 (ppm)	5343	14000	4308			
C2 (ppm)	240	543	179			
C3 (ppm)	251	680	209			
IC4 (ppm)	144	293	90			
NC4 (ppm)	104	266	82			
NET INCREASE (units)		130	-5			
RATIO (Pk : BG)		3				

OTHER COMMENTS (e.g. ... torquing of bit. spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE 10/13/91	WELL NAME 4-15A2 SUNDANCE		SHOW REPORT # 35
FORMATION GREEN RIVER		DEPTH OF SHOW INTERVAL 8608' - 8628'	
AVERAGE DRILL RATE BEFORE SHOW	5.5 min / ft	AVERAGE DRILL RATE DURING SHOW	3 min / ft
AVERAGE DRILL RATE AFTER SHOW	4 min / ft		

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 50% yel 10% gn 10% ltgy 10% dkgy 20% brn

SS 10% clr trnsl wh vf-f gr occ m gr sbang-sbrd m-w srt uncons p cmt w/tr sptty dul orng flor & slo strmg yelbl cut dk brn res w/dul orng flor

GAS INFORMATION

DEPTH (feet)	8606'	8611'	8616'	8619'	8623'	8629'	
TOTAL (units)	60	100	150	200	290	80	
C1 (ppm)	4308	7179	10769	14359	20820	5749	
C2 (ppm)	179	299	449	598	867	237	
C3 (ppm)	209	349	523	692	1011	279	
IC4 (ppm)	90	150	226	301	436	120	
NC4 (ppm)	82	137	205	274	397	109	
NET INCREASE (units)		40	90	140	230	20	
RATIO (Pk : BG)		1.6	2.5	3.3	4.8	1.3	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME		SHOW REPORT #
10/13/91	4-15A2	SUNDANCE	36

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8830' - 8836'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 30% yel 10% rd 10% gn 20% ltgy 30% brn

40% LS lt-dkbrn trnsl crp-micxln gran/suc ip occ dolic loc slty/srg frm-hd occ w/fr intxln Ø dk brn stn yel flor w/immed strmg yelbl-blwh cut

GAS INFORMATION

DEPTH (feet)	8830'	8832'	8838'				
TOTAL (units)	60	210	80				
C1 (ppm)	4200	13430	4760				
C2 (ppm)	240	660	270				
C3 (ppm)	260	845	292				
IC4 (ppm)	80	240	80				
NC4 (ppm)	55	330	110				
NET INCREASE (units)		150	+20				
RATIO (Pk : BG)		3.5					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT - 8.4 TRACE TO NO OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/14/91	4-15A2 SUNDANCE	37

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8840' - 8850

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
3.5 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% rd 10% gn 10% ltgy 50% brn

50% LS trnsl lt-dkbrn crpxln occ mic-vf xln/gran suc ip occ arg/slty blky-ang m-v hd brit occ brn stn yel flor w/immed strmg yelbl-blwh cut

10% SS trnsl brn clr vf-f gr ang-sbang m srt fri-uncons p cmt calc arg ip dk brn stn fr Ø sptty yel flor w/yelbl strmg cut

GAS INFORMATION

DEPTH (feet)	8840'	8846'	8850'				
TOTAL (units)	80	210	180				
C1 (ppm)	4760	19040	15300				
C2 (ppm)	270	960	744				
C3 (ppm)	292	780	780				
IC4 (ppm)	80	240	160				
NC4 (ppm)	110	330	110				
NET INCREASE (units)		+130	+100				
RATIO (Pk : BG)							

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4 TRACE TO 10% OIL SURFACE COVERAGE ON MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/14/91	4-15A2 SUNDANCE	38

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	8924' - 9072'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4.5 min / ft	3 min / ft

AVERAGE DRILL RATE AFTER SHOW: 6 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 30% yel 10% rd 40% ltgy occ brn

SH brn blky v frm gsy-wxy v calc loc grdg to arg LS

SS avg 20% clr ltgy trnsl vf-f gr sbang-w rdd m-w srt fri-uncons occ arg p cmt occ w/brn stn immed - slo strmg yelbl blwh cut & dk brn res

GAS INFORMATION

DEPTH (feet)	8924'	8954'	8976'	9024'	9040'	9072'	
TOTAL (units)	155	660	745	2400	2320	640	
C1 (ppm)	9135	36960	41720	98421	97426	18912	
C2 (ppm)	854	3432	2874	15158	9943	2400	
C3 (ppm)	911	3661	4132	13000	9874	3250	
IC4 (ppm)	270	845	913	3368	2762	1000	
NC4 (ppm)	256	1549	1748	5095	3798	2200	
NET INCREASE (units)		505	590	2245	2165	485	
RATIO (Pk : BG)		4.25	4.8	15.5	15	4.1	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/16/91	4-15A2 SUNDANCE	39

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	9382' - 9395'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
5 min / ft	3 min / ft

AVERAGE DRILL RATE AFTER SHOW: 4 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence. cuts)

SH 20% yel 10% rd 40% ltgy 30% brn

SS 30% clr mlky vf-f gr uncons sbang-ang m-p srt p cmt calc occ fri

TR mlky yelbl cut in total spl

GAS INFORMATION

DEPTH (feet)	9370'	9386'	9396'				
TOTAL (units)	720	840	680				
C1 (ppm)	47967	55960	45302				
C2 (ppm)	3795	4427	3584				
C3 (ppm)	632	737	597				
IC4 (ppm)	1605	1873	1516				
NC4 (ppm)		120					
NET INCREASE (units)		1.16					
RATIO (Pk : BG)							

OTHER COMMENTS (e.g. ... torquing of bit. spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4 20% SURFACE COVERAGE OF OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/16/91	4-15A2 SUNDANCE	40

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	9396' - 9424'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 6 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 40% yel 20% rd 10% gn 20% ltgy 10% brn

SS 40% mlky clr ltgy vf-f gr fri-uncons p cmt sbang-sbrd p srt clr fl sl-m calc tr mic incl

GAS INFORMATION

DEPTH (feet)	9398'	9410'	9416'	9424'			
TOTAL (units)	700	1340	1760	1460			
C1 (ppm)	45306	85177	111875	92805			
C2 (ppm)	3360	6336	8448	7008			
C3 (ppm)	3400	6057	7958	6602			
IC4 (ppm)	597	1677	2204	1828			
NC4 (ppm)	1516	2307	3030	2514			
NET INCREASE (units)		640	1060				
RATIO (Pk : BG)		1.9	2.5				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4 20% SURFACE COVERAGE OF OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 787 (1

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/16/91	4-15A2 SUNDANCE	41

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	9424' - 9438'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
6 min / ft	3.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 40% yel 20% rd 10% gn 20% ltgy 10% brn

SS 10-20% mlky clr gy vf-f gr fri-uncons sbang-sbrd p-m srt cly fl sl calc occ w/mic incl

GAS INFORMATION

DEPTH (feet)	9424'	9432'	9438'			
TOTAL (units)	1460	1560	1280			
C1 (ppm)	92805	99162	81363			
C2 (ppm)	7008	7488	6144			
C3 (ppm)	6602	7054	5788			
IC4 (ppm)	1828	1953	1603			
NC4 (ppm)	2514	2686	2204			
NET INCREASE (units)		100				
RATIO (Pk : BG)		1.07				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4 30% COVERAGE OF OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE 10/16/91	WELL NAME 4-15A2 SUNDANCE		SHOW REPORT # 42
FORMATION GREEN RIVER		DEPTH OF SHOW INTERVAL 9442' - 9446 '	
AVERAGE DRILL RATE BEFORE SHOW 4.5 min / ft		AVERAGE DRILL RATE DURING SHOW 4 min / ft	
AVERAGE DRILL RATE AFTER SHOW 5 min / ft			

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 50% yel 10% rd 20% gn 20% brn

SS 20% clr trnsl wh vf-f gr ang-sbang m srt fri-uncons p cmt calc arg ip occ sppty yel flor w/slo yelbl mlky cut

GAS INFORMATION

DEPTH (feet)	9442'	9444'	9448			
TOTAL (units)	1360	1720	560			
C1 (ppm)	6205	79050	39349			
C2 (ppm)	4744	6000	2576			
C3 (ppm)	5140	6500	2038			
IC4 (ppm)	1546	1950	532			
NC4 (ppm)	1995	2523	1078			
NET INCREASE (units)		360				
RATIO (Pk : BG)		1.26				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4 TRACE OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/16/91	4-15A2 SUNDANCE	43

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	9554' - 9562'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
4 min / ft	2 min / ft

AVERAGE DRILL RATE AFTER SHOW: 3 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% yel 10% rd 10% gn 20% ltgy 40% brn

SH m-dkbrn brnblk occ ltbrn tn sbblky-blky m-v hd/brit xln/suc tex ip grdg to arg LS loc w/abnt fn dess pyr incl occ dul yel flor w/immed ltbl blyel strmg cut

GAS INFORMATION

DEPTH (feet)	9550'	9558'	9562			
TOTAL (units)	500	620	500			
C1 (ppm)	39440	49960	39270			
C2 (ppm)	3240	3480	3180			
C3 (ppm)	2860	2925	2015			
IC4 (ppm)	480	480	480			
NC4 (ppm)	880	880	880			
NET INCREASE (units)		120				
RATIO (Pk : BG)		1.24				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.4 TR DK BRN OIL OVER SHAKER

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/18/91	4-15A2 SUNDANCE	44

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	9,760'- 9,770'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
5.5 min / ft	7 min / ft

AVERAGE DRILL RATE AFTER SHOW

5.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% ltgy 80% dk gy

SS uncons clr vfgr sbang wsrt

IMMED MKY CUT / SLO YEL BLU STM THRU SMPL

GAS INFORMATION

DEPTH (feet)	9,760'	9,762	9,770			
TOTAL (units)	410	470	340			
C1 (ppm)	83,103	4,379	31,597			
C2 (ppm)	2,310	2,649	1,916			
C3 (ppm)	1,535	1,759	1,272			
IC4 (ppm)	298	342	247			
NC4 (ppm)	547	627	453			
NET INCREASE (units)		60				
RATIO (Pk : BG)		1.14				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO INDICATION OF TQ MUD WT. 8.6+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/18/91	4-15A2 SUNDANCE	45

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	9,770' - 9,782'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
6 min / ft	5.8 min / ft

AVERAGE DRILL RATE AFTER SHOW: 7.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% yel 50% ltgy 40% dk gy

TR SS clr vfgr ang-sbang wsrt

IMMED MKY CUT / SLO YEL STM THRU SMPL

GAS INFORMATION

DEPTH (feet)	9,770	9,774'	9,784'			
TOTAL (units)	340	390	320			
C1 (ppm)	31,597	36,244	30,668			
C2 (ppm)	1,916	2,200	1,830			
C3 (ppm)	1,272	1,460	1,235			
IC4 (ppm)	247	284	240			
NC4 (ppm)	453	520	440			
NET INCREASE (units)		50				
RATIO (Pk : BG)		1.14				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO INDICATION OF TO MUD WT. 8.6+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/20/91	4-15A2 SUNDANCE	46

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10,200 - 10,206'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
7 min / ft	6 min / ft

AVERAGE DRILL RATE AFTER SHOW: 7.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% ltgy 10% dkgy 70% blk 10% brn

SH blk sbblky-ang splty m-v hd brit slty ip occ carb w/fn dess pyr incl sl-m calc dolic ip

v slo strmg yelgn cut in total spl

GAS INFORMATION

DEPTH (feet)	10198	10204	10210				
TOTAL (units)	230	320	210				
C1 (ppm)	21982	39464	19992				
C2 (ppm)	1380	1920	1260				
C3 (ppm)	747	1040	682				
IC4 (ppm)	184	256	168				
NC4 (ppm)	212	294	193				
NET INCREASE (units)		90					
RATIO (Pk : BG)		1.39					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE #1 PUMP DOWN #2 PUMP 110 SPM POSSIBLE GAS FLUCTUATION FROM PUMP PROBLEMS

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/20/91	4-15A2 SUNDANCE	47

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10216' - 10224'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
6.5 min / ft	5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 6.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% dkgy 80% blk 10% brn

SH blk sbblky-sbplty ang m-v hd v brit occ sl rthy/carb v fn dess pyr ip sl-m calc slty/gtty sl dolic ip

v wk yelgn cut in total spl

GAS INFORMATION

DEPTH (feet)	10216	10220	10226				
TOTAL (units)	200	330	240				
C1 (ppm)	19040	31416	22848				
C2 (ppm)	1200	1980	1440				
C3 (ppm)	650	1072	779				
IC4 (ppm)	160	264	192				
NC4 (ppm)	184	304	221				
NET INCREASE (units)		130					
RATIO (Pk : BG)		1.65					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE # 1 PUMP DOWN #2 AT 110 SPM POSSIBLY CAUSED BY PUMP PROBLEMS

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE 10/20/91	WELL NAME 4-15A2 SUNDANCE		SHOW REPORT # 48
FORMATION GREEN RIVER		DEPTH OF SHOW INTERVAL 10236' - 10242'	
AVERAGE DRILL RATE BEFORE SHOW	7 min / ft	AVERAGE DRILL RATE DURING SHOW	6 min / ft
AVERAGE DRILL RATE AFTER SHOW	8 min / ft		

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence. cuts)

SH 30% yel 10% ltgy 20% dkgy 30% blk 10% brn

SH lt-dkgy gyblk blk sbblky-plty occ firr m-v hd brit sl pyric ip occ slty/gtty sl-v calc loc sl sdy

v slo yelgn strmg cut in spl

GAS INFORMATION

DEPTH (feet)	10236'	10240'	10244'			
TOTAL (units)	240	310	280			
C1 (ppm)	22848	29440	27659			
C2 (ppm)	1440	2352	2016			
C3 (ppm)	779	1404	1139			
IC4 (ppm)	192	292	156			
NC4 (ppm)	221	368	321			
NET INCREASE (units)		70				
RATIO (Pk : BG)		1.29				

OTHER COMMENTS (e.g. ... torquing of bit. spikey drill time or gas, changes in mud system)

NO TORQUE PUMP # 2 AT 110 SPM

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/22/91	4-15A2 SUNDANCE	49

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10388' - 10406'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
7 min / ft	6 min / ft

AVERAGE DRILL RATE AFTER SHOW: 7 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% yel 20% ltgy 20% dkgy 10% blk 40% brn

20% SS clr trnsl brn vf-f gr ang-sbang m srt fri-occ uncons p-m cmt calc arg ip occ w/ brn stn wk strmg yelgn cut

**10390' - 10410' not circulated up prior to TOOH for bit - data inconclusive

GAS INFORMATION

DEPTH (feet)	10386'	10390'	10418'				
TOTAL (units)	240	390	360				
C1 (ppm)	24640	38400	34560				
C2 (ppm)	1440	3168	2160				
C3 (ppm)	884	1456	1105				
IC4 (ppm)	80	160	200				
NC4 (ppm)	207	368	460				
NET INCREASE (units)		150					
RATIO (Pk : BG)		1.6					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.9 IN 8.9 OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE 10/22/91	WELL NAME 4-15A2 SUNDANCE		SHOW REPORT # 50
FORMATION GREEN RIVER		DEPTH OF SHOW INTERVAL 10484' - 10508'	
AVERAGE DRILL RATE BEFORE SHOW 6.5 min / ft		AVERAGE DRILL RATE DURING SHOW 5.5 min / ft	
AVERAGE DRILL RATE AFTER SHOW 6 min / ft			

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% ltgy 40% dkgy 10% blk 30% brn

40% SS mlky ltgy vf-f gr m-w srt sbang-sbrd occ xln w srt calc sl arg occ xln lam sh frags poss frac or vug fl

fair show of oil in possum belly 5% coverage

immed strmg mlky yelbrn-yelbl cut in spl

GAS INFORMATION

DEPTH (feet)	10484'	10486'	10490'	10494'	10504'	10508'	
TOTAL (units)	360	400	400	1290	420	380	
C1 (ppm)	33080	37760	36480	98613	38400	34560	
C2 (ppm)	2304	2400	2592	10994	2688	2304	
C3 (ppm)	1774	1300	1196	5590	1456	1248	
IC4 (ppm)	224	224	192	803	192	160	
NC4 (ppm)	352	460	414	1319	414	360	
NET INCREASE (units)		40	40	930	60	20	
RATIO (Pk : BG)		1.1	1.1	3.6	1.2	1.05	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE MUD WT 8.9 IN 8.9+ OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 787 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/22/91	4-15A2 SUNDANCE	51

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10522' - 10546'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
6 min / ft	4 min / ft	8 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence. cuts)

SH 20% ltgy 80% dkgy

SLTST 10% ltgy blky hd v calc arg

immed pale yelbl mlky cut w/pale yel strm res w/dk orng flor

incr oil in possum belly 20% surface coverage w/oil besds

GAS INFORMATION

DEPTH (feet)	10522'	10526'	10546'			
TOTAL (units)	320	3480	540			
C1 (ppm)	29103	224000	44800			
C2 (ppm)	1940	35040	4140			
C3 (ppm)	1051	19500	2145			
IC4 (ppm)	135	2240	240			
NC4 (ppm)	310	4600	517			
NET INCREASE (units)		3160	220			
RATIO (Pk : BG)		10.9	1.7			

OTHER COMMENTS (e.g. ... torquing of bit. spikey drill time or gas. changes in mud system)

SL BIT TORQUE 20BBL MUD LOSS AT 10538' MUD WT 8.9 IN 8.9+ OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/22/91	4-15A2 SUNDANCE	52

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10582' - 10590'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
5 - 7 min / ft	2.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 7 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% ltgy 30% dkgy 10% blk 40% brn

SS 30% clr trnsl mlky vf-f gr occ slt sz ang-sbang m-p srt fri-m hd p-m cmt calc occ pyric loc w/dk brn-brnblk stn w/immed blwh cut occ yelgn strm w/bri yel ring res flor

sl incr oil coverage on mud

GAS INFORMATION

DEPTH (feet)	10580'	10588'	10594'			
TOTAL (units)	360	800	350			
C1 (ppm)	33120	75520	30720			
C2 (ppm)	2280	5520	2160			
C3 (ppm)	1495	3152	1330			
IC4 (ppm)	280	560	280			
NC4 (ppm)	575	1035	575			
NET INCREASE (units)		440				
RATIO (Pk : BG)		2.22				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE 185 BBL MUD LOSS THROUGH ZONE WT 8.9+ IN 8.9+ OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 23 - 7871

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/23/91	4-15A2 SUNDANCE	53

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10,708- 10,720'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
8.5 min / ft	7 min / ft

AVERAGE DRILL RATE AFTER SHOW: 10 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

70% SH 30% ltgy 20% dkgy 40% blk 10% brn

10% SS clr f-vfgr wcmt sbrd calc occ as lam on SH

20% LS LTBRN TRANSL BLKY VFRM BRIT SUCR SL DOLO SDY IP

IMMED YEL- BLU MKY CUT W MOD STRM DK RES W ORNG FLOR

INCR TAR LIKE OIL OVER SHAKER

GAS INFORMATION

DEPTH (feet)	10,706	10,712'	10,720			
TOTAL (units)	440	6,400	2,560			
C1 (ppm)	31,360	307,200	115,200			
C2 (ppm)	1,800	52,800	17,040			
C3 (ppm)	988	39,000	10,400			
IC4 (ppm)	160	5,120	1,280			
NC4 (ppm)	506	11,040	2,300			
NET INCREASE (units)		5,960				
RATIO (Pk : BG)		14.5				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO INDICATION OF TQ MUD WT. 8.9+ IN 8.9+ OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/28/91	4-15A2 SUNDANCE	54

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10744' - 10752'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
6 min / ft	4 min / ft

AVERAGE DRILL RATE AFTER SHOW: 6 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 70% ltgy 30% brn

SS ltgy trnsl vf-f gr ang-sbang m-w srt fri-m hd w cmt calc NFSOC

GAS INFORMATION

DEPTH (feet)	10744'	10750'	10762'			
TOTAL (units)	70	150	60			
C1 (ppm)	4100	8914	3840			
C2 (ppm)	780	1671	660			
C3 (ppm)	520	1114	480			
IC4 (ppm)	180	180	56			
NC4 (ppm)	173	370	115			
NET INCREASE (units)		80				
RATIO (Pk : BG)		2.1				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH BRINE WATER 9.3 WT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE 10/28/91 WELL NAME 4-15A2 SUNDANCE SHOW REPORT # 55

FORMATION GREEN RIVER DEPTH OF SHOW INTERVAL 10792' - 10802'

AVERAGE DRILL RATE BEFORE SHOW 10.5 min / ft AVERAGE DRILL RATE DURING SHOW 6 - 12 min / ft

AVERAGE DRILL RATE AFTER SHOW 9.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 20% ltgy 60% dkgy 20% brn

SH 70% lt-dkgy gybrn sbblky-ireg sft-m hd m-v calc lmy fn dess pyr slty

DOL 30% clr trnsl gybrn crp-v crs xln brit dns v hd sl slty ip pred cln poss frac's
tr dk brn stn w/slo strm yel cut ip

GAS INFORMATION

DEPTH (feet)	10792'	10802'	10804'				
TOTAL (units)	40	220	76				
C1 (ppm)	3439	12528	5400				
C2 (ppm)	640	2840	1040				
C3 (ppm)	405	1892	660				
IC4 (ppm)	66	275	110				
NC4 (ppm)	94	546	234				
NET INCREASE (units)		180					
RATIO (Pk : BG)		5.5					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

BIT TORQUING HARD POSSIBLY FRACTURED TR BLK OIL IN MUD BRINE WATER - wt 9.3

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/29/91	4-15A2 SUNDANCE	56

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10,380'-10,836'

AVERAGE DRILL RATE BEFORE SHOW		AVERAGE DRILL RATE DURING SHOW	
7.5	min / ft	9	min / ft

AVERAGE DRILL RATE AFTER SHOW: 7.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% ltgy 70% dkgy 20% brn

SH 90% lt-dkgy sbblky-incs frm-mhd m-vcalc vslty oww/thn foss ls intbds

DOL 10% clr trnsl gybrn ang-blky m-vhd crp-crsxln suc/gran ip occ slty/arg

GAS INFORMATION

DEPTH (feet)	10,830	10,836'	10,838'			
TOTAL (units)	40	64	64			
C1 (ppm)	3,132	6,586	4.644			
C2 (ppm)	560	1,200	800			
C3 (ppm)	375	880	550			
IC4 (ppm)	55	82	55			
NC4 (ppm)	78	156	117			
NET INCREASE (units)		56				
RATIO (Pk : BG)		2.4				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

SLIGHT BIT TQ DRILLING W/BRINE WATER WT. 9.4

TRACE DK BRN OIL IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/29/91	4-15A2 SUNDANCE	57

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10,866' - 10,886'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
15 min / ft	7 min / ft

AVERAGE DRILL RATE AFTER SHOW

10 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

80% SH 10% ltgy 80% dkgy 10% blk

10% DOLO ltbrn transl blky vhd crpxln occ suc aren

10% LS ltgy chky blky sft slsdy arg vcalc

SH dkgy blky sbplty vfrm-hd vdolo grdg to varg DOLO slcalc

VERY POOR IMMEDPALE YEL BLUE MKY CUT W TR STM THROUGHOUT SMPL

GAS INFORMATION

DEPTH (feet)	10,864'	10,868'	10,872'	10,878'	10,882'	10,884'	10,886'
TOTAL (units)	80	116	92	192	88	140	88
C1 (ppm)	6,696	8,640	7,452	13,608	6,653	9,072	7,236
C2 (ppm)	1,200	1,440	1,200	2,640	1,115	1,520	1,160
C3 (ppm)	796	792	792	1,628	742	1,012	726
IC4 (ppm)	77	88	77	220	89	121	94
NC4 (ppm)	187	195	187	437	172	234	187
NET INCREASE (units)		36	12	112	8	60	8
RATIO (Pk : BG)		1.5	1.2	2.4	1.1	1.75	1.1

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

SOME TO SEEN IN SLOW FTG. AREAS DRILLING WITH BRINE WATER WT. 9.1

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
10/29/91	4-15A2 SUNDANCE	58

FORMATION	DEPTH OF SHOW INTERVAL
GREEN RIVER	10942' - 10952'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
6.5 min / ft	7 min / ft

AVERAGE DRILL RATE AFTER SHOW: 11.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 40% dkgy 20% blk 40% brn

LS 40% lt-dkbrn tn sl trnsl v foss ip abnt shell frags occ w/ool & pell crp-vf xln gran/suc ip ang blky v hd brit occ w/dk brn stn dul yel-yelbrn flor & slo strmg yel cut

FST YELBL STRMG CUT IN SPL

GAS INFORMATION

DEPTH (feet)	10942'	10946'	10952'			
TOTAL (units)	120	212	180			
C1 (ppm)	8964	17712	14256			
C2 (ppm)	1560	2760	2560			
C3 (ppm)	1056	1672	1782			
IC4 (ppm)	110	193	765			
NC4 (ppm)	273	390	390			
NET INCREASE (units)		92				
RATIO (Pk : BG)		1.76				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH BRINE WATER 9.1 WT SL TORQUE SL INCR BLK OIL OVER SHAKER IN MUD

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE: 10/30/91	WELL NAME: 4-15A2 SUNDANCE		SHOW REPORT #: 59
FORMATION: GREEN RIVER		DEPTH OF SHOW INTERVAL: 11082' - 11098'	
AVERAGE DRILL RATE BEFORE SHOW: 7 - 8 min / ft		AVERAGE DRILL RATE DURING SHOW: 3 - 4 min / ft	
AVERAGE DRILL RATE AFTER SHOW: 8 min / ft			

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 10% rd 10% ltgy 40% dkgy 30% blk 10% brn

70% SH m-dkgy blk gybrn blky-ireg m hd occ v slty/sft m-v calc lmy

20% DOL trnsl ltgybrn mlky-sng crp-vf xln suc/gran ip v hd brit

10% SS trnsl clr vf-f gr ang-sbang m-p srt fri-m hd dol/calc cmt occ dkbrn intgran stn

VERY STRONG FLOW OF DK BRN/BLK OIL OVER SHAKER - POOR SPLS - GAS BUSTER TURNED ON AT 11086' WITH 10' - 20' FLARE

GAS INFORMATION

DEPTH (feet)	11082'	11084'	11086'	11090'	11096'	11100'	
TOTAL (units)	360	4880	880	5680	3200	1600	
C1 (ppm)	23760	382320	24264	371520	64800	30780	
C2 (ppm)	4240	70000	10320	76800	26400	11200	
C3 (ppm)	2552	45320	6248	53680	32120	12100	
IC4 (ppm)	385	6600	1100	8800	7150	1650	
NC4 (ppm)	936	19500	4050	23400	17160	6240	
NET INCREASE (units)		4520		5320			
RATIO (Pk : BG)		13.6		15.8			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

MOD TORQUE THRU SHOW DRILLING WITH BRINE WATER 9.1 WT SHOWS BELOW 11086' ARE TRHU GAS BUSTER SWEEP UP WITH 9.5 WT BRINE WATER AT 11100'

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(11)

SHOW REPORT

DATE 10/31/91 WELL NAME 4-15A2 SUNDANCE SHOW REPORT # 60

FORMATION GREEN RIVER DEPTH OF SHOW INTERVAL 11172' - 11224'

AVERAGE DRILL RATE BEFORE SHOW 8.5 min / ft AVERAGE DRILL RATE DURING SHOW 7.5 min / ft

AVERAGE DRILL RATE AFTER SHOW 10.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

70% SH 80% rd 10% dkgy 10% brn

30% SS clr mlky wh vf-m gr pred uncons occ fri p cmt w rdd-sbrd p srt clr fl tt sl calc tr pyr incl occ dk brn intgran stn

SH rd dkgy blky sft-m hd rthy calc mrly occ mott w/lt gy sh dolic ip occ xln tex/brit

GOING THROUGH GAS BUSTER - DECR OIL OVER SHAKER THROUGH INTERVAL - NO FLARE

immed yelbl mlky cut w/wk strm in total spl

GAS INFORMATION

DEPTH (feet)	11172'	11180'	11192'	11196'	11218'	11220'	11224'
TOTAL (units)	720	2000	920	1920	240	600	280
C1 (ppm)	20872	88212	40753	85050	12960	29160	12783
C2 (ppm)	6035	13571	5200	10852	2400	2823	1317
C3 (ppm)	4680	13000	5060	9665	559	1398	652
IC4 (ppm)	742	2600	904	1790	119	297	109
NC4 (ppm)	2186	7800	2563	5076	374	935	412
NET INCREASE (units)		1280	200	1200	-480	-120	-440
RATIO (Pk : BG)		2.8	1.3	2.7	.3	.8	.4

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE INCREASING MUD WT FROM 9.6 - 9.8 DRILLING WITH BRINE WATER

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/1/91	4-15A2 SUNDANCE	61

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11322' - 11336'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
8 min / ft	5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

80% SH 10% rd 20% ltgy 30% dkgy 20% blk 20% brn

20% SS wh trnsl clr vf-f gr w rdd-ang m-p srt pred lse/uncons occ fri p cmt calc gd intgran Ø occ dk brn stn

wk yelbl overall cut with lt yel ring flor

ABNT DK YELBRN PARAFIN OIL OVER SHAKER

GAS INFORMATION

DEPTH (feet)	11322'	11328'	11336'				
TOTAL (units)	360	5200	4880				
C1 (ppm)	24720	148800	110400				
C2 (ppm)	4268	55440	50160				
C3 (ppm)	1375	53600	46000				
IC4 (ppm)	192	9920	8960				
NC4 (ppm)	495	24300	23400				
NET INCREASE (units)		4840					
RATIO (Pk : BG)		14.4					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH BRINE WATER (9.9 IN 9.5 OUT) GOING THRU GAS BUSTER AFTER INITIAL GAS KICK AND 50 BBL FLUID GAIN WITH 15' - 25' FLARE

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/3/91	4-15A2 SUNDANCE	62

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11398' - 11408'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
13 min / ft	17 min / ft

AVERAGE DRILL RATE AFTER SHOW: 9 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence. cuts)

60% SH 50% rd 20% dkgy 20% blk 10% brn

30% SS clr wh odd rd f-m gr ang-sbang m-w srt fri-p cons m-p cmt calc pred cln occ w/ dk intgran stn

wk diff yelbl cut

ABNT DK PARAFIN OIL OVER SHAKER

POSSIBLY CAUSED BY FLUCTUATING LEVELS IN POSSUM BELLY, FLUCTUATING MUD PROPERTIES AND PARAFIN CLOGS IN AGITATOR

GAS INFORMATION

DEPTH (feet)	11398'	11404'	11410'			
TOTAL (units)	280	4560	3840			
C1 (ppm)	8160	452500	56760			
C2 (ppm)	1584	86240	56760			
C3 (ppm)	2050	49000	39000			
IC4 (ppm)	512	6432	5760			
NC4 (ppm)	1485	15750	13500			
NET INCREASE (units)		4280				
RATIO (Pk : BG)		16.3				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING WITH 36 VIS MUD WT 11.1 IN 11+ OUT NO TORQUE

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/4/91	4-15A2 SUNDANCE	63

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11564' - 11574'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
8 min / ft	19 min / ft	10 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

90% SH 40% rd 20% purp 20% dkgy 10% blk 10% brn

SH rd mar purp sbblky-ireg sft-m hd sl-v calc v sdy-abnt m-w rdd qtz grn incl slty gtty

10% SS rd mar clr f-m gr w rdd p srt fri w cmt arg mtrx NFSOC

slight incr dk oil over shaker

GAS INFORMATION

DEPTH (feet)	11564'	11568'	11580'				
TOTAL (units)	310	4320	320				
C1 (ppm)	12636	321840	27216				
C2 (ppm)	1216	28500	1976				
C3 (ppm)	743	8325	945				
IC4 (ppm)	240	1500	180				
NC4 (ppm)	680	3400	510				
NET INCREASE (units)		4010					
RATIO (Pk : BG)		13.9					

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH MUD WT-11.3 IN 11.1+ OUT GAS AND OIL PROBABLY RELEASED FROM UPHOLE SHOW DURING SLOW DRILLING

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/5/91	4-15A2 SUNDANCE	65

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11,596' - 11,622'
AVERAGE DRILL RATE BEFORE SHOW: 13 min / ft	AVERAGE DRILL RATE DURING SHOW: 7-8 min / ft
AVERAGE DRILL RATE AFTER SHOW: 8 min / ft	

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

80% SH 30% rd 10% purp 10% ltgy 30% dkgy 20% brn

SH vgt sbblky-ireg frm-mhd occ vsdy - abnt f-mgr wrdd qtz incl slty sl-vcalc occ lmy

20% SS clr ltgy trnsl vf-fgr ang-sbang m-wsrt fri-mhd p-mcmt calc occ dk brn stn w/wk yel bl stm cut

SL INCR BRN PARAFIN OIL OVER SHAKER

GAS INFORMATION

DEPTH (feet)	11,596'	11,598'	11,602'	11,610'	11,622'		
TOTAL (units)	380	3,040	1,760	3,680	760		
C1 (ppm)	27,948	117,504	99,360	123,120	19,008		
C2 (ppm)	2,394	39,520	19,760	36,480	3,040		
C3 (ppm)	832	21,780	9,900	25,200	3,240		
IC4 (ppm)	553	7,480	2,890	10,880	2,244		
NC4 (ppm)		2,660	1,400	3,320	400		
NET INCREASE (units)		8	4.9	10.2	2.1		
RATIO (Pk : BG)							

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TQ DRILLING W/MUD 11.4 IN 11.4 out w/INTERMITTANT 10' FLARE

22 bbl. mud incr

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 87 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/5/91	4-15A2 SUNDANCE	66

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11622' - 11650'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
8 min / ft	9 - 6 min / ft

AVERAGE DRILL RATE AFTER SHOW: 9.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

70% SH 30% rd 10% gn 40% ltgy 10% dkgy 10% blk

SH rd ltgy vgt blky-sbblky sft-m hd/brit occ suc tex slty/sdy calc rthy lmy ip

30% SS clr mlky trnsl vf-f gr sbang-sbrd m srt pred uncons occ fri calc w/tr brn stn

immed poor yelbl diff cut w/tr strm thru spl

mod amt dk gnbrn paragin oil over shaker

GAS INFORMATION

DEPTH (feet)	11622'	11624'	11626'	11638'	11650'		
TOTAL (units)	760	4000	2960	4640	2320		
C1 (ppm)	19008	358560	129232	223714	75168		
C2 (ppm)	3640	24320	19146	29911	18891		
C3 (ppm)	3240	15300	10656	15846	11931		
IC4 (ppm)	768	3840	2642	4226	2287		
NC4 (ppm)	2244	8670	6424	9332	5071		
NET INCREASE-(units)		3240	2200	3880	1560		
RATIO (Pk : BG)		4.3	3.9	6.1	3.1		

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH MUD 11.4 IN 11.0+ OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/7/91	4-15A2 SUNDANCE	67

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11650' - 11700'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
9.5 min / ft	12.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 20 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

95% SH 60% rd 10% gn 30% dkgy

SH rd mar sbblky-ireg hd-occ sft v slty abnt SS incl occ SS intbds loc w/thn LS intbds m-v calc grdg to sltst

SH vgt sbblky-ireg frm-m hd occ sl sft v sdy/slty abnt SS strgrs occ thn DOL intbds w/micr pyr incl m-v calc ip

5% SS clr trnsl rd purp vf-occ m gr ang -w rdd v p srt v arg/slty calc cly mtrx fri- m hd occ lse NFSOC

v wk yelbl diff cut in spls, moc amt dk brngn parafin oil over shaker

INTMT 3-10' FLARE THRU ZONE

GAS INFORMATION

DEPTH (feet)	11650'	11652'	11658'	11668'	11688'	11696'	11700'
TOTAL (units)	2320	2720	2240	2960	1800	3280	540
C1 (ppm)	75168	87480	96366	145152	84390	196300	18144
C2 (ppm)	18891	22800	24320	20672	14900	28346	2660
C3 (ppm)	11931	14400	16200	13680	9160	17640	2385
IC4 (ppm)	2287	2800	2940	2880	1725	3160	640
NC4 (ppm)	5071	5780	6376	6800	4240	7695	1530
NET INCREASE (units)		400	-80	640	-520	960	-1780
RATIO (Pk : BG)		1.2	.96	1.3	.8	1.4	.23

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH MUD @11660' - 11.4/11.0+ @11680' - 11.4+/11.2+

@11700' - 11.1+/11.1+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/7/91	4-15A2 SUNDANCE	68

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11704' - 11778'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
11 min / ft	12 min / ft	17 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

80% SH 40% rd 10% gn 10% dkgy 5% ltgy 10% blk 25% brn

SH gn plty occ blky frm-v wxy slty sdy occ mott w/rd sh sl calc abnt SS incl

SH rdbrn rdorng mott sbblky-ireg frm-m hd v slty abnt f-m gr SS incl m-v calc

20% SS clr rd trnsl mar vf-occ m gr sbrd-ang m-v p srt v arg/slty calc occ clr w/dk brn stn & wk yelbl strm cut

mod-tr brngn parafin oil over shaker decr thru area

wk diff yelbl cut w/slo strm in spls

INTMT 4-6' FLARE FROM 11755' - 11772'

GAS INFORMATION

DEPTH (feet)	11704'	11714'	11734'	11748'	11756'	11774'	11778'
TOTAL (units)	600	2560	3840	4400	2880	3600	400
C1 (ppm)	17280	154656	190080	164057	107382	164320	9612
C2 (ppm)	2660	13984	24320	25824	16937	22900	1292
C3 (ppm)	2585	7560	11700	14143	9257	14400	990
IC4 (ppm)	640	2040	2640	2043	1337	2210	246
NC4 (ppm)	1530	5700	6120	4786	3132	5365	638
NET INCREASE (units)		1960	3240	3800	2280	3000	-200
RATIO (Pk : BG)		4.3	6.4	7.3	4.8	6.0	.7

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH MUD @11720' - 11.4+/11.1+ @11740' - 11.4/11.0

@11760' - 11.3/10.8 @11780' - 11.4/11.2

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/7/91	4-15A2 SUNDANCE	69

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11800' - 11836'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
8 min / ft	10 min / ft

AVERAGE DRILL RATE AFTER SHOW: 7.5min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

80% SH 60% rd 15% gn 10% dkgy 10% blk 5% brn

SH gn sbblky-sbplty frm sbwxy v sdy w/abnt m gr qtz incl occ w/thn ss strgrs mott rd ip

SH rd blk-sbplty sft-sl frm sdy w/occ m gr w rdd qtz incl sl calc rthy occ micr pyr incl

20% SS clr m-vf gr sbang m srt calc arg fri-m frm mod gd intgran Ø

v wk diff yelbl cut w/tr strm in spl

trace parafin oil over shaker decr thru zone

INTMT 5-10' FLARE THRU ZONE W/STEADY 6' FLARE AT 11828' - 11833'

GAS INFORMATION

DEPTH (feet)	11800'	11808'	11816'	11824'	11826'	11836'	
TOTAL (units)	600	3680	2720	3760	3360	560	
C1 (ppm)	19008	176256	106500	120960	95040	10152	
C2 (ppm)	1672	23408	14936	24016	22192	1824	
C3 (ppm)	1125	8460	4560	14220	14400	1440	
IC4 (ppm)	300	1740	1045	2340	2880	600	
NC4 (ppm)	850	4080	2890	5270	5780	1190	
NET INCREASE (units)		3080	2120	3160	2760	-40	
RATIO (Pk : BG)		6.1	4.5	6.3	5.6	.93	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH MUD @11820' - 11.3/11.0 @11840' - 11.4/11.0

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/7/91	4-15A2 SUNDANCE	70

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11868' - 11890'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
10-15 min / ft	20-37 min / ft

AVERAGE DRILL RATE AFTER SHOW: 18-30 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

60% SH 70% rd 10% gn 10% dkgy 10% blk

SH rd sbblky-ireg m hd-sl sft v slty m-v calc abnt sdy incl

40% SS clr trnsl mlky vf-m gr ang-w rdd m-v p srt pred lse p-w cmt v arg/slty ip w/ cly mtrx occ calc

wk diff yelbl cut in spl

tr dk parafin oil over shaker

INTMT 1-5' FLARE

GAS INFORMATION

DEPTH (feet)	11868'	11872'	11888'	11896'			
TOTAL (units)	300	3920	4640	740			
C1 (ppm)	14580	190512	254880	22464			
C2 (ppm)	1572	20017	30020	3040			
C3 (ppm)	692	9041	15525	2250			
IC4 (ppm)	135	1764	2700	480			
NC4 (ppm)	351	4582	5950	1360			
NET INCREASE (units)		3620	4340				
RATIO (Pk : BG)		13.1	15.5				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO TORQUE DRILLING WITH MUD @11880' - 11.4/10.4+ @11890' - 11.3+/10.0+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/9/91	4-15A2 SUNDANCE	71

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11910'-11938'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
17.5 min / ft	14 min / ft	15.0 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 80%rd,10%ltgy,10%dkgy,tr purp/grn

SH frm-sl sft,n-sl calc,slty ip

80%SS clr-trnsl-opq,off wh,fgr,sbrnd-sbang,occ wrnd,wsrt,wcmt,frm,consol,occ tr glauc,tr orng spks,V SL TR MOD BRI YEL FLOR,NO STRMG CUT,V FNT DUL RES RNG, no stn,no vis poro

INCR IN DK HVY OIL OVER SHKR

6' FL @ 11918' 10' FL @ 11922' 0 FL @ 11940'

GAS INFORMATION

DEPTH (feet)	11910'	11918'	11922'	11928'	11934'	11938'	11940'
TOTAL (units)	880	4080	4320	4640	4160	2880	800
C1 (ppm)	54000	311040	298080	424000	352000	200110	44010
C2 (ppm)	12480	62400	73320	73800	53200	22960	7010
C3 (ppm)	10092	31320	39150	40008	32100	17600	5611
IC4 (ppm)	1512	6480	5400	5010	4204	3980	1750
NC4 (ppm)	4680	13260	12792	13507	12070	8997	3301
NET INCREASE (units)		3200	3440	3760	3280	2000	
RATIO (Pk : BG)		4.6	4.9	5.3	4.7	3.3	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRLG W/MUD 11920' WT IN/OUT 11.4+/10.8

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/9/91	4-15A2 SUNDANCE	72

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11953' - 11968'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
15 min / ft	11.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 17 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SH 70%rd,20%grn,10%ltgy

SH rdbrn-ltrdorng,ltgy-gygrn,mod sft to frm,n-sl calc,slty-occ grdg to arg SLTST, NFSOC

90% SS clr-trnsl-opq,wh-ltgy,fgr,occ mgr,sbrnd-rnd-sbang ip,msrt,m-pcmt, 50% unconsol,fri-frm ip,mod calc,rr glauc,tr orng spks,DUL YEL FLOR, NO STRMG CUT,FNT DUL MLKY POOL,V FNT RES RNG,no vis stn,tr intgrnlr poro,mod amnt free wh cly,mod cly fil cmt

5'-6- FLARE @ 4480u @ 11954'

GAS INFORMATION

DEPTH (feet)	11952	11954	11958	11964	11968		
TOTAL (units)	2800	4480	4400	4320	3520		
C1 (ppm)	174900	280194	275100	271400	152099		
C2 (ppm)	36111	64400	64114	63711	42011		
C3 (ppm)	18972	32091	31715	31142	25680		
IC4 (ppm)	2790	4470	4391	4309	3751		
NC4 (ppm)	8197	11250	11147	11091	9304		
NET INCREASE (units)		1680	1600	1520	720		
RATIO (Pk : BG)		1.6	1.57	1.54	1.2		

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

MUD WT IN/OUT 11.5/10.9

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/9/91	4-15A2 SUNDANCE	73

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	11,994' - 12,000'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
13 min / ft	12 min / ft

AVERAGE DRILL RATE AFTER SHOW: 13 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

25% SHALE 60% rd 20% gn 10% ltgy 10% blk

SH rd blky sbplty sft occ frm sdy w m-fgr wrdd SS gr

75% SS clr ltgy transl m-fgr wcmt vanq-sbanq m-psrt v calc arg lmy occ wrdd c-vfgr uncons SS gr

SLIGHT INCR HEAVY VERY DARK BROWN OIL OVER SHAKER

6' FLARE @ 12,000 8' FLARE @ 12,07'

NO VIS STN VERY WEAK DIFF CUT

GAS INFORMATION

DEPTH (feet)	11,994	11,999	12,000	12,004	12,007	12,010	
TOTAL (units)	104,000	3,200	3,680	4,320	4,800	560	
C1 (ppm)	29,050	136,000	168,000	192,000	272,000	23,600	
C2 (ppm)	20,800	34,300	39,200	43,400	42,700	4,760	
C3 (ppm)	3,500	22,400	24,000	27,200	28,800	4,480	
IC4 (ppm)	8,250	3,000	5,000	5,000	4,400	740	
NC4 (ppm)		9,000	10,500	12,000	11,400	2,400	
NET INCREASE (units)		1,280	1,760	2,400	2,800	-1,360	
RATIO (Pk : BG)		1.7	1.9	2.3	2.5	.3	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

NO INDICATION OF TQ WT IN/OUT 11.4/10.9

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/10/91	4-15A2 SUNDANCE	74

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12062'-12068'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
13.5 min / ft	8 min / ft	13.0 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12070' SPL 100% SS TR DKGY & RD SH

SH dkgy-gyblk,ltrdorng-rdbrn,frm,n-sl-occ mod calc,slty,occ blk SH beg smooth

SS clr-trnsl-occ opq,vf-mgr,sbrnd-sbang to occ rnd/ang,psrt,pcmt,pred unconsol, mod to v calc,cly fil cmt ip,SPTTY MOD BRI YEL FLOR,V SLO WK FNT STRMG CUT, MOD MLKY POOL,MOD DUL RES RNG,no vis stn,gd poro,mod amnt free wh cly,tr crs gr clr QTZ XLS-sbang-sbrnd

SL INCR IN BLK OIL OVER SHKR

GAS INFORMATION

DEPTH (feet)	12060	12064	12066	12068			
TOTAL (units)	790	4120	2400	1600			
C1 (ppm)	10440	180080	80640	48010			
C2 (ppm)	840	16100	5680	4480			
C3 (ppm)	1040	4810	3210	2560			
IC4 (ppm)	400	1511	801	604			
NC4 (ppm)	1260	4517	2013	1907			
NET INCREASE (units)		3300	1610	810			
RATIO (Pk : BG)		5.2	3.0	2.0			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.4/10.9

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/11/91	4-15A2 SUNDANCE	75

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12,108' - 12,142'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
7.5 min / ft	13.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 16 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

20% SHALE 70% rd 10% gn 10% lgy 10% bn

SH rd blky occ sb plty splty sl calc rthy-sb wxy occ vsdy occ mot w/lgy sh grdg to varg ss

80% SS clr frst trnsl f-vfgr sbang-wrdd occ v ang w/conq frac p-mcmt psrt slcalc cly Ø pred uncons grs

YEL BL FLOR 20% SPL FAST MKY CUT W/TR STM THRU SPL

INCR V DK BN OIL OVER SHAKER

2' FLARE 12,116' 4' FLARE 12,130'

GAS INFORMATION

DEPTH (feet)	12,108	12,112	12,116	12,118	12,122	12,142	
TOTAL (units)	180	2,080	2,560	2,320	2,480	1,360	
C1 (ppm)	6,048	182,000	224,000	203,000	217,000	131,600	
C2 (ppm)	960	39,000	48,000	43,500	46,500	28,800	
C3 (ppm)	672	17,000	21,000	19,000	20,500	12,600	
IC4 (ppm)	216	2,630	3,240	2,940	3,140	1,800	
NC4 (ppm)	832	6,340	7,800	7,100	7,600	5,720	
NET INCREASE (units)		1,900	2,380	2,140	2,300	1,180	
RATIO (Pk : BG)		11.5	14.2	12.9	13.8	7.6	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

DRILLING W MUD 11.4 IN 10.6 OUT

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME		SHOW REPORT #
11/11/91	4-15A2	SUNDANCE	76

FORMATION	DEPTH OF SHOW INTERVAL

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
16.5 min / ft	10 min / ft

AVERAGE DRILL RATE AFTER SHOW: 15.0 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12150 SPL 90%SS 10%SH

SH 90%rd,10%ltgy,tr gn sft to frm,mod calc,slty-occ grdg to SLTST,NFSOC

SS clr-trnsl-opq,tnwh,vf-mgr,sbang-sbrnd-occ wrnd,psrt,pcmt,pred unconsol,
V SPTTY MOD BRI YEL FLOR,V SLO WK STRMG CUT,FNT POOL & RES RNG, no stn,
gd poro,fr amnt free wh cly

FR AMNT BLK OIL IN SPLS

GAS INFORMATION	NO FL	4' FL		3' FL			
DEPTH (feet)	12142	12146	12450	12156			
TOTAL (units)	1360	4320	3840	3680			
C1 (ppm)	131600	385781	344448	331200			
C2 (ppm)	28800	85729	76544	73600			
C3 (ppm)	12600	42491	37939	36480			
IC4 (ppm)	1800	6989	6241	6001			
NC4 (ppm)	5720	13045	11648	11200			
NET INCREASE (units)		2960	2480	2320			
RATIO (Pk : BG)		3.1	2.8	2.7			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.4/10.6 w/4320u @ 12146'

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/11/91	4-15A2	77

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12180'-12192'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
14 min / ft	5.5 min / ft

AVERAGE DRILL RATE AFTER SHOW: 11.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12190'SPL 100% SS tr SH - rd,ltgygn

SS clr-trnsl-opq,vf-mgr,sbrnd-sbang-occ wrnd,psrt,pcmt,95% unconsol,tr orng grs, MOD AMNT BRI YEL FLOR,MOD FST STRMG CUT,STRONG MLKY POOL,MOD BRI YEL RES RNG, no vis stn,gd int grnlr poro,mod amnt free wh cly

ABNT GRN PRFN OVER SHKR/IN MUD

GAS INFORMATION	3'FL	5'FL	8'FL	6'FL	6'FL		
DEPTH (feet)	12180	12185	12187	12189	12192		
TOTAL (units)	3620	4800	5280	4640	4790		
C1 (ppm)	251101	201600	97200	108010	187204		
C2 (ppm)	36411	50400	53200	47601	58804		
C3 (ppm)	19410	24001	31200	22491	26400		
IC4 (ppm)	3001	3600	5400	4800	4998		
NC4 (ppm)	7729	9210	11700	9900	10800		
NET INCREASE (units)		1180	1660	1020	1170		
RATIO (Pk : BG)		1.3	1.5	1.2	1.3		

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.4+/10.8

CG @ 12185' - 5440u w/9' FL (640u incr over bg)

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/13/91	4-15A2 SUNDANCE	78

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12323'-12328'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
14 min / ft	5 min / ft	13.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12330'SPL 70%SS 30%SH

SH 40%rd,20gn,20ltgy,10dkgy,10bn sft to frm,slty,sl-mod calc,occ sd grs incl

SS clr-trnsl,wh-ltgy,vf-fgr,rr mgr,sbrnd-sbang,msrt,p-mcmt,sl cly fil calc cmt,
50% unconsol,MOD BRI YEL FLOR,V SLO WK FNT STRMG CUT,SLO FNT POOL,DUL RES
RNG,no vis stn, fr/gd poro,free wh cly

SL-MOD INCR IN OIL IN SPLS

GAS INFORMATION	NO FL	3'FL	2'FL	0-1'FL INTERMIT			
DEPTH (feet)	12323	12326	12329	12330			
TOTAL (units)	1280	3630	3010	2104			
C1 (ppm)	71428	200000	176097	136152			
C2 (ppm)	9609	36800	31914	17640			
C3 (ppm)	5474	15300	12960	9204			
IC4 (ppm)	1807	3350	3107	2425			
NC4 (ppm)	3211	8010	7410	4410			
NET INCREASE (units)		2350	1730	824			
RATIO (Pk : BG)		2.8	2.3	1.6			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.6+/11.2

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25-767(1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/14/91	4-15A2 SUNDANCE	79

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12390'-12401'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
15 min / ft	8 min / ft	15 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12400' SPL 10%SS 90%SH

SH 50%gn,50%rd,tr ltgy

SH rdbrn-dkrd,lt-mgn,gygn,mott rdgn,ltgy,frm-sl sft,n-sl calc,gn SH-sbwxy ip

SS clr-trnsl-opq,vf-fgr,sbang-ang-occ sbrnd,msrt,pcmt,consol,v fri,calcitic,
tr orng grs,tr gn inbd SH,TR DUL YEL FLOR,V FNT RES RNG,no app stn,
fr int grnlr poro,tr free wh cly

TR/FR incr in oil in spls

GAS INFORMATION NO FLARES DURING THIS SHOW

DEPTH (feet)	12387	12390	12394	12396	12402	12404	
TOTAL (units)	480	1090	1280	1604	900	410	
C1 (ppm)	26000	85000	89900	110000	84100	27100	
C2 (ppm)	3000	10000	10500	13000	7080	2108	
C3 (ppm)	900	2009	3610	5089	950	705	
IC4 (ppm)	251	410	519	704	341	104	
NC4 (ppm)	710	907	1250	2903	690	314	
NET INCREASE (units)		610	800	1124	420	---	
RATIO (Pk : BG)		2.3	2.7	3.3	1.9	---	

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.8/11.3+

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/15/91	4-15A2 SUNDANCE	80

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12444'-12450'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW
13 min / ft	REVERSE BRK- 29 min / ft

AVERAGE DRILL RATE AFTER SHOW: 15.5 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12450' SPL 90%SH 10%SS

SH 50%gn,40rd,10ltgy,tr dkgy

SH ltgn-gygn,rdbn-brickrd,mott rdgn,ltgy,frm-sft,n-sl-occ mod calc,
slty-occ sbwxy ip,occ grdg to SLTST, NFSOC,arg

SS clr-trnsl-opq,vf-fgr,sbang-sbrnd,wsrt,mcmt,consol,sl fri,v cly fil calc cmt,
tr orng grs, NFSOC,tr poro

V SL INCR IN OIL IN SPLS

GAS INFORMATION NO FLARES DURING THIS SHOW

DEPTH (feet)	12444	12448	12452				
TOTAL (units)	120	1860	1780				
C1 (ppm)	6100	135000	128900				
C2 (ppm)	500	18500	17900				
C3 (ppm)	150	6900	5890				
IC4 (ppm)	TR	979	904				
NC4 (ppm)	TR	2500	1660				
NET INCREASE (units)		1740	1660				
RATIO (Pk : BG)		15.5	14.8				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.6/11/3

CORRELATION W / CONTROL WELL (S)

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/20/91	4-15A2 SUNDANCE	81

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12880'-12884'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
18 min / ft	REVERSE BRK 22 min / ft	15 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12890' SPL 100%SH tr SS

SH 70%gn,20ltgy,10rd,10dkgy frm-sl sft,slty-sl sbwxy ip,n-sl-occ mod calc, occ sd gr incl,NFSOC,occ grdg to SLTST

SS clr-trnsl-opq,vf-f-occ mgr,sbang-sl sbrnd,msrt,mcmt,sl fri,consol,cly fil cmt, calc,rr orng grs,NFSOC,TR-0 poro,no xls

SL INCR IN OIL IN MUD

GAS INFORMATION	1'FL	5'FL	4'FL	2'-3'FL			
DEPTH (feet)	12880	12883	12885	12888			
TOTAL (units)	2650	3520	3110	2880			
C1 (ppm)	149110	190100	164352	153600			
C2 (ppm)	30007	36864	33177	30720			
C3 (ppm)	16070	21696	19526	18080			
IC4 (ppm)	2008	2745	2471	2288			
NC4 (ppm)	5618	6854	6168	5712			
NET INCREASE (units)		870	460	230			
RATIO (Pk : BG)		1.3	1.2	1.0			

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.4+/11.0 5'FL / 3520u

CORRELATION W / CONTROL WELL (S)

HIGH TORQ @ 12883', WORK PIPE

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/21/91	4-15A2 SUNDANCE	82

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	12947'-12951'

AVERAGE DRILL RATE BEFORE SHOW	AVERAGE DRILL RATE DURING SHOW	AVERAGE DRILL RATE AFTER SHOW
16 min / ft	6 min / ft	23 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

12950' SPL 70%SH, 30%SS

SH 40%gn,40ltgy,10rd,10dkgy frm-sft,n-sl calc,slty-sbwxy ip,occ sd gr incl,NFSOC

SS clr-trnsl,vf-mgr,sbrnd-sbang,psrt,pcmt,unconsol,NFSOC,NO VIS XLS

SL INCR IN OIL IN MUD

GAS INFORMATION	2'FL	10'FL	3'FL				
DEPTH (feet)	12946	12949	12952				
TOTAL (units)	2510	3700	2690				
C1 (ppm)	135000	229800	179900				
C2 (ppm)	21009	37510	25090				
C3 (ppm)	13070	22511	15088				
IC4 (ppm)	2504	3510	2739				
NC4 (ppm)	7011	8390	7341				
NET INCREASE (units)		1190	180				
RATIO (Pk : BG)		1.5	1.1				

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.4/10.9

CORRELATION W / CONTROL WELL (S)

LOST 132 bbls mud @ 12950' LOST CIRC

RECOMMENDED PACKER SEAT

FORM 25 - 767 (1)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/24/91	4-15A2 SUNDANCE	83

FORMATION	DEPTH OF SHOW INTERVAL
W200	13123'-13134'

AVERAGE DRILL RATE BEFORE SHOW		AVERAGE DRILL RATE DURING SHOW	
13	min / ft	reverse brk	23 min / ft

AVERAGE DRILL RATE AFTER SHOW: 16 min / ft

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

13140' SPL 80%SH 20%SS

SH 50%ltgy,50%dkgy,tr BN & GN frm-sft,n-sl-occ mod calc,sl slty-occ sbwxy ip, dkgy-fiss ip, NFSOC

SS clr-ltgy,vf-mgr,sbang-sl sbrnd,psrt,p-mcmt,v fri-fri,consol,rr glauc,cly fil calc cmt,SPTTY DUL YEL FLOR,NO STRMG CUT,FNT MLKY POOL & RES RNG,tr/fr poro, v sl tr lt stng

MOD INCR IN GN OIL IN MUD/SPLS

GAS INFORMATION	6'FL	8'FL	12'FL	18'FL	18'-19' FL		19'FL
DEPTH (feet)	13120	13124	13127	13131	13133	13134	13136
TOTAL (units)	3200	3700	4150	5200	5250	5275	5400
C1 (ppm)	161010	150720	159980	172800	175980	178100	185600
C2 (ppm)	36010	43001	50073	62720	63980	64019	73920
C3 (ppm)	12509	28147	35079	46080	47971	48099	56320
IC4 (ppm)	3511	4007	4602	5280	5498	5610	7111
NC4 (ppm)	6601	7214	9087	13440	14791	15010	18471
NET INCREASE (units)		500	950	2000	2050	2075	2200
RATIO (Pk : BG)		1.2	1.3	1.6	1.64	1.65	1.68

OTHER COMMENTS (e.g. ... torquing of bit, spikey drill time or gas, changes in mud system)

WT IN/OUT 11.3+/10.6 w/ 5200u 11.3+/10.3 w/ 5400u

CORRELATION W / CONTROL WELL (S)

NO VIS FRACG IN SPLS

CHK FOR FLO @ 13143' - NO FLO

RECOMMENDED PACKER SEAT

FORM 25 - 767 (2)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/26/91	4-15A2 SUNDANCE	84

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	13281'-13288'

	BEFORE SHOW	DURING SHOW	AFTER SHOW
AVERAGE DRILL RATE	14 MIN/FT	8.5 MIN/FT	11 MIN/FT
AVERAGE OF TOTAL GAS	4700 UNITS	6000 UNITS	5920 UNITS

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

13290' SPL 90%SH 10%SS

SH 50%dkgy,40ltgy,10bn, frm-sl sft,sl slty,sl-occ mod calc,occ sbwxy ip, NFSOC

SS clr-ltgy,occ trnsl,vf-fgr,occ mgr,sbang-sl sbrnd,msrt,m-pcmt,50%unconsol,mod calc,sl cly fil cmt,V SL TR DUL YEL FLOR,NO STRMG CUT,MOD MLKY POOL,MOD BRI RES RNG,no app stng,fr poro

GAS INFORMATION	10'FL	14'FL	14'FL	15'FL	10'FL intermit	
DEPTH (FEET)	13280	13283	13286	13288	13290	
DRILL RATE (MIN/FT)	14	8.5	10.5	11	11	
TOTAL GAS (UNITS)	4700	5920	5970	6000	5920	
C1 (PPM)	269891	288000	270100	256007	279900	
C2 (PPM)	57110	97100	97891	99520	95998	
C3 (PPM)	32411	60800	61100	63098	60978	
IC4 (PPM)	2647	7200	7359	7850	7210	
NC4 (PPM)	9198	17500	17770	18191	17611	
NET INCREASE (UNITS)		1220	1270	1300	1220	
RATIO (PK: BG)		1.25	1.27	1.28	1.25	

OTHER COMMENTS (e.g... torquing of bit, spikey drill time or gas, changes in mud system, oil on pits)

ABNT (YEL GN BN) oil in mud, (sl incr from before show

OIL IN MUD - 8% before show

NO EVIDNC OF TORQ

CORRELATION WITH CONTROL WELL(S)

MUD WEIGHT IN/ 12.4 OUT/ 11.1

FLARE BEFORE/ 10' DURING/ 15' AFTER/ 14'

FORM 25 - 767 (2)

SHOW REPORT

DATE	WELL NAME		SHOW REPORT #
11/26/91	4-15A2 SUNDANCE		85
FORMATION: WASATCH		DEPTH OF SHOW INTERVAL: 13328'-13340'	

	BEFORE SHOW	DURING SHOW	AFTER SHOW
AVERAGE DRILL RATE	16 MIN/FT	9 MIN/FT	17 MIN/FT
AVERAGE OF TOTAL GAS	2700 UNITS	4960 UNITS	4200 UNITS

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

13340' SPL 80%SH, 20%LS

SH 50%ltgy,40dkgy,10bn, frm-sft,mod calc,occ lmy,occ vltgy SH-mshy/v sft, NFSOC

LS dkbn,crpxln,hd,dns,sl sdy,arg ip,MOD BRI YEL FLOR,NO STRMG CUT,FR MLKY POOL,
MOD BRI YEL RES RNG,no vis poro/stn,tr lrg fros/wh qtz xls

GAS INFORMATION	2'FL	4'FL	5'FL	4'FL		
DEPTH (FEET)	13328	13334	13337	13340		
DRILL RATE (MIN/FT)	13	18	9	17		
TOTAL GAS (UNITS)	2700	4465	4960	4200		
C1 (PPM)	110000	265000	320010	227090		
C2 (PPM)	40009	63011	71000	58027		
C3 (PPM)	24010	34090	36990	30140		
IC4 (PPM)	2904	3690	4724	3910		
NC4 (PPM)	7011	9601	11091	9397		
NET INCREASE (UNITS)		1765	2260	1500		
RATIO (PK: BG)		1.65	1.83	1.56		

OTHER COMMENTS (e.g... torquing of bit, spikey drill time or gas, changes in mud system, oil on pits)

SL INCR IN OIL IN MUD (YEL GN BN)

NO XLS IN SPL

NO EVIDNC OF TORQ

CORRELATION WITH CONTROL WELL(S)

MUD WEIGHT IN/ 12.7 OUT/ 12.0

FLARE BEFORE/ 2' DURING/ 5' AFTER/ 4'

FORM 25 - 767 (2)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
11/27/91	4-15A2 SUNDANCE	86

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	13360'-13366'

	BEFORE SHOW	DURING SHOW	AFTER SHOW
AVERAGE DRILL RATE	16 MIN/FT	13 MIN/FT	18 MIN/FT
AVERAGE OF TOTAL GAS	3360 UNITS	4640 UNITS	4160 UNITS

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

13370' SPL 90%SS, 10%SH

SH 80%bn,10ltgy,10dkgy SH bn,frm-mod hd,v lmy,sl slty-sdy ip,NFSOC

SS lty-ltmgy,fgr,sbang-ang,wsrt,p-mcmt,fri-mod fri,consol,mod glauc,abnt lrg dk carb incl,mod calc,sl cly fil cmt,calcitic ip,BRI YELGN FLOR,SLO WK STRMG CUT,MOD MLKY POOL,MOD BRI YEL RES RNG,tr/fr poro,no vis stng,no xls

GAS INFORMATION	3'FL	15'FL	10'FL			
DEPTH (FEET)	13358	13363	13367			
DRILL RATE (MIN/FT)	20	13	18			
TOTAL GAS (UNITS)	3360	4640	4160			
C1 (PPM)	144000	143900	156800			
C2 (PPM)	35840	62720	49280			
C3 (PPM)	24320	43520	32010			
IC4 (PPM)	3200	5088	4841			
NC4 (PPM)	8960	13440	12320			
NET INCREASE (UNITS)		1280	800			
RATIO (PK: BG)		1.38	1.24			

OTHER COMMENTS (e.g... torquing of bit, spikey drill time or gas, changes in mud system, oil on pits)

MOD INCR IN OIL IN MUD (YEL GN BN)

NO TORQ INDICATION

CORRELATION WITH CONTROL WELL(S)

MUD WEIGHT IN/ 12.9 OUT/ 12.2

FLARE BEFORE/ 3' DURING/ 15' AFTER/ 10'

FORM 25 - 767 (2)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
12/2/91	4-15A2 SUNDANCE	87

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH	13668'-13680'

	BEFORE SHOW	DURING SHOW	AFTER SHOW
AVERAGE DRILL RATE	10.5 MIN/FT	8.5 MIN/FT	11.5 MIN/FT
AVERAGE OF TOTAL GAS	2610 UNITS	3120 UNITS	2870 UNITS

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

13680' SPL 80%SH, 20%SS

SH 50%ltgy,30%dkgy,20%gn,tr rd mod sft,carb ip,mod calc-lmy ip,sl slty-occ grdg to SLTST, NO FLOR,FNT DUL MLKY POOL & RES RNG

SS clr-ltgy,vf-fgr,sbang-sbrnd,wsrt,mcmt,sl fri-fri,consol,cly fil calc cmt,s&p ip,V SPTTY DUL YEL FLOR,NO STRMG CUT,FNT MLKY POOL & RES RNG,no vis stng, 0-tr poro

GAS INFORMATION	2' FL	3'FL	3'FL			
DEPTH (FEET)	13668	13671	13680			
DRILL RATE (MIN/FT)	10.5	8.5	11.5			
TOTAL GAS (UNITS)	2610	3120	2870			
C1 (PPM)	137101	185600	148800			
C2 (PPM)	23987	28009	26880			
C3 (PPM)	13649	15840	14790			
IC4 (PPM)	1599	2890	2640			
NC4 (PPM)	4297	6401	5980			
NET INCREASE (UNITS)		510	260			
RATIO (PK: BG)		1.19	1.09			

OTHER COMMENTS (e.g... torquing of bit, spikey drill time or gas, changes in mud system, oil on pits)

SL INCR IN YELGNBN OIL IN MUD

NO FRAC INDICATION

POOR SHOW

CORRELATION WITH CONTROL WELL(S)

MUD WEIGHT IN/ 12.7+ OUT/ 12.2

FLARE BEFORE/ 2' DURING/ 3' AFTER/ 3'

FORM 25 - 767 (2)

SHOW REPORT

DATE	WELL NAME	SHOW REPORT #
12/5/91	4-15A2 SUNDANCE	88

FORMATION	DEPTH OF SHOW INTERVAL
WASATCH TFL	13970'-13974'

	BEFORE SHOW	DURING SHOW	AFTER SHOW
AVERAGE DRILL RATE	16 MIN/FT	13 MIN/FT	15 MIN/FT
AVERAGE OF TOTAL GAS	2890 UNITS	4480 UNITS	3200 UNITS

SAMPLE DESCRIPTION (lithology, type and degree of porosity, evidence of fracturing, fluorescence, cuts)

SHOW SPL 80%SH, 10%SS, 10%LS

SH 50%dkgy,30%bn,20%ltgy,tr rd sft-sl frm,lmy,slty,carb ip, NFSOC

LS lt-mbn,micxln,hd,dns,sl slty,NFSOC,arg ip

SS clr-ltgy,fgr,sbang,wsrt,mcmt,fri,pred consol,lrg carb incl,mod-v calc,
NO FLOR,V FNT MLKY POOL,V FNT DUL RES RNG,NO STRMG CUT,0-tr poro,no vis stng

GAS INFORMATION

	1'FL	3'FL	2'FL			
DEPTH (FEET)	13969	13972	13975			
DRILL RATE (MIN/FT)	16	13	15			
TOTAL GAS (UNITS)	2890	4480	3200			
C1 (PPM)	219940	223200	192010			
C2 (PPM)	24110	58240	29120			
C3 (PPM)	10540	23040	11520			
IC4 (PPM)	1299	3520	1870			
NC4 (PPM)	3690	7040	4810			
NET INCREASE (UNITS)		1590	4810			
RATIO (PK: BG)		1.55	1.11			

OTHER COMMENTS (e.g... torquing of bit, spikey drill time or gas, changes in mud system, oil on pits)

MOD TO ABNT GNBN OIL OVER SHKR & IN SPLS

POOR SPL SHOW

NO VIS FRAC INDICATORS

CORRELATION WITH CONTROL WELL(S)

MUD WEIGHT IN/ 12.8 OUT/ 11.6

FLARE BEFORE/ 1' DURING/ 3' AFTER/ 2'

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: Fee Land

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

8. FARM OR LEASE NAME: Sundance

3. ADDRESS OF OPERATOR: P.O. Box 290; Neola, Utah 84053

9. WELL NO.: 4-15A2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1600' FNL and 1600' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Bluebell-Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15, T1S, R2W

14. PERMIT NO.: API 43 013 31333

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5749' (GL)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Report of Drilling Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

--- SEE ATTACHED " MONTHLY REPORT OF DRILLING OPERATIONS: COMPLETE" ---

TIGHT HOLE

18. I hereby certify that the foregoing is true and correct

SIGNED D.R. Lankford TITLE Petroleum Engineer DATE 12/13/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SUNDANCE 4-15A2

REPORT OF MONTHLY DRILLING OPERATIONS; COMPLETE
FOR THE PERIOD 9/23/91 THRU 12/11/91

- Set 16" conductor pipe at 70'. Cemented with 160 sx. 50/50 Poz.
- Spud well with Forwest Rig # 5 at 1:00 PM, 9/23/91.
- Drilled 13 1/2" hole to 3498' with final mud wt. 10.4 ppg. Mudded up to kill 2"-3"stream water flow at 2287'.
- Ran set 10 3/4" 40.5# surface casing at 3498'. Cemented with 412 sx. HiLift cement (11 ppg., 3.75 yld.) followed by 200 sx. class'G' cem. (15.8 ppg., 1.15 yld.) Full returns throughout job. Circ. 120 bbls. cem. to surface. Bumped plug 12:00 MID 9/29/91. Performed 1" top job at 120' with 100 sx. class'G'.
- Pressure test BOP rams and choke manifold to 5000 psi. Pressure test Hydil BOP to 2500 psi. Drilled out new formation to 3521'. Conducted Formation Leak-Off test to 12.5 ppg. EMW. No leak-off.
- Drilled 9 7/8" hole to 10,723'. Drilled 3521'-9689' with 8.4 ppg. water Final mud wt. at 10,723': 9.1 ppg.
- Ran logs with Schlumberger:

Phasor Induction Log	10,722'-3498'
Digital Sonic	10,722'-3498'
Neutron Density	8700'-6200'
Gamma Ray	10,722'-surf.
3 Arm Caliper	10,722'-3498'

- Ran and set 7" 23# S-95 and N-80 casing at 10,722' with DV Tool at 8500'. Cemented with Dowell-Schlumberger. Cemented below DV Tool 8500'-10722' with 475 sx. 50/50 Poz-mix (14.1 ppg., 1.27 yld.) followed by 200 sx. class'G' (15.8 ppg., 1.15 yld.). Cemented above DV Tool 8500'-Surf. with 963 sx. HiLift cem.(11.0 ppg., 3.75 yld.) followed by 685 sx. 50/50 Poz-mix (14.1 ppg., 1.21 yld.) followed by 200 sx. class'G' (15.8 ppg., 1.15 yld.). Bumped plug 5:00 AM, 10/26/91.
- Pressure tested 7" casing to 4000 psi. Drilled new fmt. to 10,739'. Conducted Formation Leak-Off Test to 12.3 ppg. EMW. No leak-off.
- Drilled 6 1/4" hole to 14,010' TD by 12/6/91 with final mud wt.12.9 ppg. Lost total 4107 bbls. mud while drilling 10722'-14010'.
- Ran logs with Schlumberger: Phasor Induction Log, Digital Sonic, GR, and Caliper.
- Ran and set 5" 18" N-80 liner 10355'-13984'. Cemented with Dowell-Schlumberger with 403 sx. class'G'. Full circ. throughout job. Bumped plug 8:30 PM, 12/8/91.
- Released Forwesty Rig # 5 2:00 PM, 12/11/91.

Form OGC-3

- CONFIDENTIAL -

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

56 64 01

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: FEE LAND

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

8. FARM OR LEASE NAME: SUNDANCE

2. NAME OF OPERATOR: PENNZOIL EXPLORATION AND PRODUCTION COMPANY

9. WELL NO.: 4-15A2

3. ADDRESS OF OPERATOR: P. O. Box 2967, Houston, Texas 77252-2967

10. FIELD AND POOL, OR WILDCAT: Bluebell-Wasatch

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1600' FNL and 1600' FEL

RECEIVED
MAR 19 1992
DIVISION OF OIL, GAS & MINING

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 15, T1S, R2W

At top prod. interval reported below

At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-31333	8-22-91	Duchesne	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9-23-91	12-6-91	2-2-92	5771 KB, 5770 DF, 5748 GL	5748

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
14,010'	13,953		→	XX	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 12,077-13,940 - Wasatch

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: SDT, LDT, CNL, Caliper, 1-16-92 MUD LOG, PHASOR INDUCTION, DIGITAL SONIC

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5 #	3498'	13 1/2	612 SKS	
7"	23 #	10,722'	9 7/8	2,523 SKS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	10,355	13,984	403 SKS	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*): SEE ATTACHED

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
1-27-92	Sub Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-2-92	24			238		147	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			238		147	

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: Completion Reports, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Supervising Engineer DATE 2/14/92

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement"*. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SUNDANCE 4-15A2

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
No DSTs or Cores			

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
TGR	6406	
Mb	8500	
TGR 3	9760	
TFL	13907	

Sundance #4-15A2
DEV - Duchesne County, Utah - Bluebell/Altamont - 1600 FNL - 1600 FEL SW NE, Section 15 - Township 1 South, Range 2 West - PZL W.I. 0.49198 - PTD 14200' - AFE #07016172
COMPLETION

12/23/91 CTD $1,395,624 Waiting on Completion Unit.

12/24/91 CTD $1,395,624 Waiting on Completion Unit.

12/25/91 CTD $1,395,624 Waiting on Completion Unit.

12/26/91 CTD $1,395,624 Waiting on Completion Unit.

12/27/91 CTD $1,395,624 Waiting on Completion Unit.

12/28/91 CTD $1,395,624 Waiting on Completion Unit.

12/29/91 CTD $1,395,624 Waiting on Completion Unit.

12/30/91 CTD $1,396,189 Road rig from Smith 2-9C5 to Sundance 4-15A2. Will RU 12/31/91.

12/31/91 CTD $1,396,649 Spot equipment. RU pump & lines (no anchors) SDFN.

1/01/92 CTD $1,396,649 Shut down.

1/02/92 CTD $1,402,340 RU Pulling Unit. TIH w/ 4 1/8" bit, 6 - 3 1/8" DC's, 138 jts 2 7/8" NuLock tbg & 177 jts 2 7/8", 8rd tbg. PU all tools & tbg in singles. EOT @ 10,000'. SDFN.

Sundance #4-15A2
DEV - Duchesne County, Utah - Bluebell/Altamont - 1600 FNL, 1600 FEL SW NE, Section 15, T1S, R2W - PZL W.I. 0.49198 - PTD 14200' - AFE #07016172 - AFE Cost $

COMPLETION

1/03/92 CTD $1,406,180 TIH w/ 6 jts 2 7/8" tbg. Tag @ 10,354'. RU power swivel, break circ. Drill for 1/2 hr. Drill 10,354 to 10,362'. Fell through - circ down 60'. RD swivel. TIH w/ 16 jts 2 7/8" tbg. Tag @ 10,942'. RU swivel. Break circ. Drill for 1/2 hr. Drill 10,942' to 10,952'. Fell through. Circ. down tbg 90'. RD power swivel. TIH w/ 11 jts 2 7/8" tbg. Tag @ 11,402'. (Pushing something ahead of bit) RD swivel. Drill for 10 min., fell through. Circ. down w/ swivel 38 jts to 12,657'. Rd. swivel - circ. bottoms up w/ 120 BW. SDFN.

1/04/92 CTD $1,410,250 11 hr SITP - 0 psi. TIH w/ 41 jts 2 7/8" tbg. Tag @ 13,902' (18' high) RU swivel. Break circ. Drill for 1/2 hr. Fell to 13,930'. Drill for 2 hrs. Drill float collar & 20' cement to 13,953'. Circ bottoms up w/ 125 BW. RD swivel. POOH & lay down in singles, 181 jts 2 7/8" tbg. SDFN.

1/05/92 CTD $1,410,250 13 hr SITP - 0 psi. POOH & lay down in singles. 251 jts 2 7/8" tbg. Lay down DC's and tools. SDFN.

1/06/92 CTD $1,594,775 19 hr SICP - 0 psi. RU HLS. TIH & run CBL & Pet. logs from 13,943 to surface. Run both logs under 2000 psi WHP. RD HLS.

1/07/92 CTD $1,597,649 3 1/2" hr SICP - 0 psi. Change equipment to 3 1/2". TIH w/ 2' marker pup and 345 jts 3 1/2" tbg. FOT @ 10,227'. PU all tbg in singles. SDFN.

1/08/92 CTD $1,602,554 Circ hole w/ hot oiler. RD hot oiler. POOH w/ 345 jts 3 1/2" tbg. Stop twice and flush tbg w/ hot oiler. (75 BW each time) RU Mercury. TIH and set Guiberson 7" pkr @ 10,205 RD Mercury. SDFN.

1/09/92 CTD $1,605,319 13 hr SICP - 0 psi. RU 4-Star. TIH w/ seal assy & 181 jts 3 1/2" tbg. Hydrotest all tbg to 9000 psi. Had trouble with wax all day. SDFN.

Sundance #4-15A2
DEV - Duchesne County, Utah - Bluebell/Altamont - 1600 FNL, 1600 FEL SW NE, Section 15, T1S, R2W - PZL W.I. 0.49198 - PTD 14200' - AFE #07016172 - AFE Cost $

COMPLETION

1/11/92 CTD $1,620,974 12 1/2 hr SITP - 0 psi. RU pump & lines. Roll ann. w/ 280 bbl pkr fluid. Land 3 1/2 tbg w/ 35,000# comp. ND BOP's. NU wellhead. SDFN.

1/12/92 CTD $1,620,974 Shut down. Load perf guns.

1/13/92 CTD $1,669,474 RU OWP RIH & perf the following intervals using 2 1/2" thru tbg guns:

12,095	12,320	12,537	12,749	13,043	13,293
12,099	12,356	12,550	12,765	13,093	13,326
12,107	12,377	12,585	12,773	13,107	13,332
12,135	12,380	12,597	12,827	13,112	13,354
12,139	12,396	12,602	12,872	13,118	13,364
12,172	12,438	12,644	12,881	13,127	13,380
12,177	12,443	12,655	12,886	13,155	13,468
12,183	12,451	12,664	12,944	13,162	13,635
12,269	12,455	12,686	12,948	13,169	13,678
12,287	12,490	12,712	12,958	13,227	
12,311	12,497	12,729	12,963	13,283	
12,315	12,512	12,744	13,014	13,286	

Total: 69 Intervals
69 Feet
69 Holes

RD OWP. (1900 psi SITP) RU Western. Install tree saver. Acidize perfs 12095-13678 w/ 20,000 gals 15% Hcl. Held 1500 psi on annulus during treatment. All acid contained the following: 1/2 gal/1000 clay stabilizer, 10 gal/1000 scale inhibitor, 2 gal/1000 NINE, 5 gal/1000 iron control, corrosion inhibitor for 8 hrs at 220 deg F, acid gel for friction reduction. Displaced to lower perf w/ 80 BW & 75 bbls diesel. Max. T.P. - 10,000 psi. Min. T.P. - 6200 psi. Avg. T.P. - 9000 psi, Avg. T.P. - 18 BPM. ISDP - 5400 psi, 5 min. - 2200 psi, 10 min. - 900 psi, 15 min. - 100 psi. Used 200 1.3 S.G. ball sealers for diversion. Saw good diversion. RD Western. RU OWP. Continue perf the following intervals:

13,534-13,536 13,674-13,680 13,774-13,776
13,556-13,560 13,695-13,700 13,782-13,784 13,512-13,516
13,562-13,563 13,716-13,720 13,788-13,801 13,518-13,522
13,568-13,570 13,726-13,728 13,803-13,806 13,526-13,532
13,578-13,582 13,730-13,732 13,808-13,810 13,882-13,885
13,584-13,586 13,738-13,744 18,814-13,816 13,888-13,889
13,588-13,594 13,747-13,748 13,820-13,834 13,891-13,898
13,596-13,604 13,750-13,752 13,838-13,841 13,927-13,930
13,611-13,624 13,753-13,755 13,846-13,848 13,932-13,934
13,628-13,638 13,757-13,758 13,854-13,866 13,936-13,940
13,647-13,649 13,761-13,764 13,868-13,870
13,655-13,662 13,768-13,772 13,875-13,880

1/14/92 CTD $1,673,064 Continue perforating using 2 1/2" thru tbg guns loaded w/ 2 SPF on 0 deg phasing (Mag. decentralized). Perforated the following:

12,530-12,542	12,801-12,808	13,017-13,019	13,254-13,260
12,544-12,545	18,816-12,818	13,021-13,030	13,270-13,272
12,547-12,551	12,822-12,828	13,034-13,035	13,279-13,288
12,558-12,563	12,830-12,834	13,038-13,050	13,292-13,294
12,566-12,571	12,837-12,847	13,059-13,066	13,310-13,311
12,576-12,577	12,849-12,851	13,084-13,085	13,315-13,316
12,580-12,588	12,854-12,856	13,087-13,088	13,323-13,328
12,594-12,604	12,861-12,862	13,090-13,097	13,330-13,340
12,607-12,616	12,864-12,877	13,099-13,101	13,342-13,358
12,619-12,620	12,880-12,887	13,106-13,114	13,361-13,372
12,622-12,624	12,891-12,893	13,116-13,119	13,375-13,382
12,625-12,626	12,896-12,898	13,124-13,129	13,284-13,386
12,629-12,634	12,904-12,908	13,135-13,137	13,392-13,395
12,640-12,645	12,916-12,938	13,141-13,144	13,397-13,400
12,650-12,660	12,940-12,952	13,146-13,151	13,402-13,404
12,662-12,668	12,956-12,968	13,153-13,156	13,412-13,414
12,670-12,671	12,970-12,971	13,158-13,170	13,416-13,420
12,683-12,689	12,975-12,976	13,172-13,182	13,426-13,432
12,698-12,700	12,982-12,983	13,184-13,188	13,457-13,462
12,704-12,720	12,985-12,986	13,193-13,200	13,464-13,472
12,726-12,731	12,990-12,996	13,208-13,212	13,493-13,497
12,738-12,753	12,999-13,002	13,221-13,223	13,500-13,504
12,757-12,759	13,004-13,006	13,225-13,230	13,508-13,510
12,764-12,777	13,009-13,010	13,235-13,237	
12,785-12,790	13,012-13,016	13,244-13,246	

Fluid level at 3700-3800'.

1/15/92 CTD $1,776,809 Perfs 12,077-13,940 (2,035 holes) Continue perforating the following intervals w/ 2 1/2" thru tbg guns loaded w/ 2 SPF on 0 deg phasing (Mag. decentralized):

12,077-12,088	12,202-12,204	12,310-12,322	12,409-12,411
12,090-12,111	12,207-12,210	12,325-12,328	12,414-12,418
12,115-12,116	12,213-12,215	12,333-12,337	12,433-12,448
12,117-12,119	12,217-12,219	12,339-12,341	12,450-12,456
12,121-12,123	12,222-12,334	12,349-12,362	12,458-12,460
12,131-12,141	12,227-12,229	12,365-12,367	12,471-12,473
12,143-12,145	12,231-12,233	12,370-12,382	12,478-12,480
12,148-12,158	12,237-12,348	12,384-12,388	12,484-12,500
12,165-12,169	12,263-12,272	12,391-12,400	12,503-12,505
12,171-12,184	12,275-12,278	12,402-12,404	12,507-12,508
12,187-12,198	12,280-12,298	12,406-12,407	12,510-12,518
	12,301-12,308		12,520-12,522

3 day total: 189 int., 933', 1966 holes. Very Enhanced Phasor Induction Log (12-07-91) was used for depth control and correlated to CBL (1-6-92). Final level 3700-3800'. No pressure. SDFN. Will acidize 1/18/92.

1/16/92 CTD $1,778,524 Perfs 12,077-13,940 (2035 holes) Rig shut down until 1/18/92. Moved in 7 frac tanks. Load acid tanks with corrosion inhibitor & other chemicals. Hauled in 2000 bbls fresh filtered H2O.

Sundance #4-15A2
DEV - Duchesne Coun[redacted], Utah - Bluebell/Altamont - 16[redacted] FNL, 1600 FEL SW NE, Section 15, [redacted], R2W - PZL W.I. 0.49198 - PTD [redacted]200' - AFE #07016172 - AFE Cost $

COMPLETION

1/17/92 CTD $1,779,479 Perfs 12,077-13,940 (2,035 holes) Shut down.

1/18/92 CTD $1,905,524 Perfs 12,077-13,940 (2035 holes) 59 1/2 hr SITP - 0 psi. RU Western Co. of NA. Install tree saver. Set 2 annular pop-offs at 2000 psi. Hold 1500 psi on annulus during treatment. Acidize perfs w/ 110,000 gals 15% Hcl using 3000 1.3 S.G. ball sealers, 20,000# BAF and 20,000# wax beads for diversion. Saw some good breaks. All acid contained the following: 1/2 gal/ 1000 clay stabilizer, 10 gal/ 1000 scale inhibitor, 2 gal/ 1000 NINE, 2 gal/ 1000 silt suspender, 5 gal/ 1000 iron control, corrosion inhibitor for 10 hrs at 220 deg F, 1 gal/ 1000 acid gel. Max. T.P. - 10,000 psi, Min. T.P. - 8000 psi. Avg. T.P. - 9000 - 9400 psi. Avg. T.R. 18-20 BPM. ISDP - 3800 psi. 5 min. SITP - 1800 psi. 10 min. SITP - 1000 psi, 15 min. SITP - 400 psi. RD Western. RU swab. IFL 4400'. Made 4 swab runs FFL - 4500'. Recovered 0 BO - 31 BW. SDFN. Total load - 2907 BW - load recovered - 31 BW - load remaining - 2,876 BW.

1/19/92 CTD $1,908,239 Perfs 12,077-13,940 (2,035 holes) 12 1/2 hr SITP - 0 psi. RU swab IFL - 6700'. (100% water) Made 24 swab runs. FFL - 3300'. (60% oil - PH - 4) Recovered 140 BW 48 BO. SDFN. Load remaining - 2736 BW.

1/20/92 CTD $1,915,415
12 hr SITP 400 psi. Blow well down in 15 mins. No fluid. RU swab IFL 2800' (100% oil). Made 33 swab runs FFL 4400' (60% oil, pH 4.5). Rec 93 BW, 171 BO, 2565 BLWTR. SDFN.

1/21/92 CTD $1,918,150 Perfs 12,077-13,940 (2,035 holes) SITP - 600 psi (12 1/2 hrs) Blow well down in 1 hr. Recovered 3 BO - RU swab. IFL - 1000' (100% oil) Made 23 swab runs FFL - 4900' (70% oil). Recovered 145 BO - 45 BW. SDFN. Load remaining 2520 BW.

1/22/92 CTD $1,922,461 Perfs 12,077-13,940 (2,035 holes) Hot oiler had tbg flushed by 7:00 a.m. ND wellhead - NU BOP's. Release seal assy. POOH w/ 345 jts, 3 1/2" tbg. Lay down all tbg in singles. Stop & flush tbg twice (60 BW each time). Lay down seal assy. PU & TIH w/ 7" pkr-plucker, bumper sub, 4 - 4 3/4" DC's & 38 jts 2 7/8" Nulock tbg. SDFN.

1/23/92 CTD $1,929,278 Perfs 12,077-13,940 (2035 holes) 150 psi - 9 hrs. Blow well down in 10 min. No fluid. TIH w/ 100 jts 2 7/8" Nulock tbg, and 179 jts 2 7/8" EVE tbg. Tag pkr at 10,205'. RU swivel. Mill out pkr. Mill for 3 1/2 hrs while pmpg down the annulus. Got pkr moving up & down. RD swivel. POOH w/ 179 jts 2 7/8" EVE, 138 jts 2 7/8" Nulock, 4 - 4 3/4" DC's, bumper sub and pkr plucker w/ pkr assy. RU Delsco. TIH to check PBTD - 13,895'. RD Delsco. SDFN.

Sundance #4-15A2
DEV - Duchesne County, Utah - Bluebell/Altamont - 1600 FNL, 1600 FEL SW NE, Section 15, T1S, R2W - PZL W.I. 0.49198 - PTD 14200' - AFE #07016172 - AFE Cost $
COMPLETION

1/24/92	CTD $1,942,180 Perfs 12,077-13,940 (2035 holes) 8 hr SICP - 25 psi - blow well down in 5 min. No fluid. TIH w/ 138 jts 2 7/8" Nulock tbg. POOH and lay down same. TIH w/ 316 jts 2 7/8" EVE tbg. PU 138 jts in singles. SDFN.
1/25/92	CTD $1,942,180 RD pulling unit. RD pump & lines. Road pulling unit to 5-19A2.
1/26/92	CTD $1,942,180 SDFWE.
1/27/92	CTD $1,947,516 MI drilling unit. POOH w/ 316 jts 2 7/8", 6.5# EVE N-80 tbg. PU & service new centrilift equipment. RIH w/ 134 jts 2 7/8", 6.5# EVE N-80 tbg & sub pump cable using 3 bands per joint to band cable to tbg. SDFN.
1/28/92	CTD $1,961,207 RIH w/ remaining 182 jts 2 7/8", 6.5# EVE N-80 tbg and sub pump cable using 3 bands per joint to band cable to tbg. MU tbg hanger, strip off BOP & hydril. Land tbg in tbg head. NU wellhead. Turn sub pump on at 4:12 p.m. Had fluid to surface at 5:07 p.m. SDFN.
1/29/92	CTD $2,002,092 Well pumped 25 BO, 245 BW overnight. RDMOL. - FINAL REPORT -

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different res
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas well [ ] Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10, Roosevelt, UT **801-722-6206**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1600' FNL & 1600' FEL SW NE SEC. 15 TIS R2W

5. Lease Designation and Serial No.
FEE

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.
Sundance 4-15A2

9. API Well No.
43-013-31333

10. Field and Pool, or Exploratory Area
Bluebell-Wasatch

11. County or Parish, State
DUCHESNE , UTAH

12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
	[X] Recompletion	[ ] New Construction	
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing	
	[ ] Casing repair	[ ] Water Shut-off	
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection	
	[ ] Other _____	[ ] Dispose Water	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Perforate additional Wasatch from 11,310-12,014', Acidize with 20,800 gals 15% HCL. Commingle with existing Wasatch perforations and return to production.

RECEIVED
NOV 06 1997
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed John Pulley Title **Drilling Engineer** Date 11/5/97

(This space of Federal or State office use.)

Approved by John R. Baza Title Associate Director Date 11/7/97

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different res
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas well [ ] Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10, Roosevelt, UT **801-722-6206**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1600' FNL & 1600' FEL SW NE SEC. 15 TIS R2W

5. Lease Designation and Serial No.
FEE

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.
Sundance 4-15A2

9. API Well No.
43-013-31333

10. Field and Pool, or Exploratory Area
Bluebell-Wasatch

11. County or Parish, State
DUCHESNE , UTAH

12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[X] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing repair	[ ] Water Shut-off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

11/06/97 to 11/16/97
Set one way CIBP at 12,052', perforated additional Wasatch from 11310-12014', 208', 42 intervals, 416 holes
Dowell acidized with 20,000 gals 15% HCL with additives and 825 ball sealers.
Returned to production flowing.

RECEIVED
DEC 03 1997
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed John Pulley Title **Drilling Engineer** Date 12/2/97

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WO Fax Credit 9/98

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas well [ ] Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10 Roosevelt, UT 84066 (801) 722-6202

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1600' FNL and 1600' FEL of Section 15, T1S, R2W

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.
Sundance 4-15A2

9. API Well No.
43-013-31333

10. Field and Pool, or Exploratory Area
Altamont- Wasatch

11. County or Parish, State
Duchesne, Utah

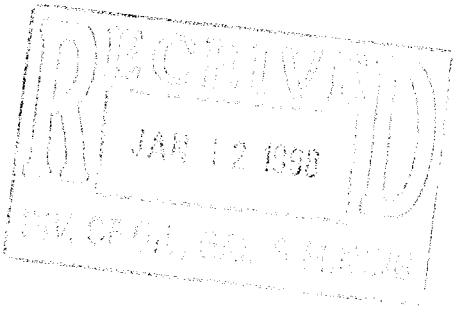
12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] Notice of Intent	[ ] Abandonment	[ ] Recompletion	[ ] Plugging Back
[X] Subsequent Report	[ ] Casing repair	[ ] Altering Casing	[X] Other REPAIR TBG LEAK.
[ ] Final Abandonment Notice	[ ] Change of Plans	[ ] New Construction	[ ] Non-Routine Fracturing
	[ ] Water Shut-off	[ ] Conversion to Injection	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Work done from 5/19/97 to 5/24/97
POOH w/ rods and tbg.
Hydro - test tbg
Return well to production



14. I hereby certify that the foregoing is true and correct
Signed E.K. Boehm Title Senior lease operator. Date 8-Jan-98

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:
Reviewed for Tax credit 3/98

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING		
1. GLH		4-KAS
2. CDW		5-SJP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold) — Designation of Agent

Operator Name Change (Only) — **X Merger**

The operator of the well(s) listed below has changed, effective: **04-01-2000**

FROM: (Old Operator):	**TO:** (New Operator):
PENNZOIL COMPANY	DEVON ENERGY EXPL & PROD CO LLC
Address: P. O. BOX 290	Address: 20 NO. BROADWAY STE 1500
NEOLA, UT 84053	OKLAHOMA CITY, OK 73102-8260
Phone: 1-(435)-353-4121	Phone: 1-(405)-235-3611
Account No. N0705	Account N1275

CA No. **Unit:**

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
DUNCAN 4-2A2	43-013-31276	11258	02-01S-02W	FEE	GW	P
MECCA 2-8A2	43-013-31231	10981	08-01S-02W	FEE	OW	P
HAMBLIN 3-9A2	43-013-31278	11094	09-01S-02W	FEE	GW	P
SUNDANCE 4-15A2	43-013-31333	11269	15-01S-02W	FEE	OW	P
LAMB 2-16A2	43-013-31390	11487	16-01S-02W	FEE	OW	S
LAMICQ URRITY 4-17A2	43-013-31190	10764	17-01S-02W	FEE	OW	P
LAMICQ 2-20A2	43-013-31191	10794	20-01S-02W	FEE	OW	P
LORANGER 6-22A2	43-013-31334	11335	22-01S-02W	FEE	OW	P
LABRUM 2-23A2	43-013-31393	11514	23-01S-02W	FEE	OW	P
LORANGER 2-24A2	43-013-31322	11244	24-01S-02W	FEE	OW	P
SHAW 2-27A2	43-013-31184	10753	27-01S-02W	FEE	OW	P
WISSE 3-35A2	43-013-31215	10925	35-01S-02W	FEE	OW	P
COX 2-36A2	43-013-31335	11330	36-01S-02W	FEE	OW	P
HATCH 2-3B1	43-013-31147	10615	03-02S-01W	FEE	OW	P
BAR F 2-5B1	43-013-31286	11113	05-02S-01W	FEE	OW	P
FRESTON 2-8B1	43-013-31203	10851	08-02S-01W	FEE	OW	P
NORLING 2-9B1	43-013-31151	10616	09-02S-01W	FEE	OW	P
EDWARDS 3-10B1	43-013-31332	11264	10-02S-01W	FEE	OW	P
POWELL 2-16B1	43-013-31820	12342	16-02S-01W	FEE	OW	P
CHAPMAN 2-4B2	43-013-31378	11485	04-02S-02W	FEE	OW	P
PEARSON 2-11B2	43-013-31356	11359	11-02S-02W	FEE	OW	P
SMITH 2-9C5	43-013-31321	11245	09-03S-05W	FEE	OW	P
BALLARD 2-15B1	43-047-32351	11476	15-02S-01W	FEE	OW	S

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 04/20/2000

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 04/20/2000

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 10/12/2000

4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143

5. If **NO**, the operator was contacted contacted on: _____

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/16/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Pro** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 10/16/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 10/16/2000

3. Bond information entered in RBDMS on: _____

4. Fee wells attached to bond in RBDMS on: _____

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: _____

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: YES

2. The **FORMER** operator has requested a release of liability from their bond on: 09/26/2000
   The Division sent response by letter on: 10/03/2000

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/17/2000

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3-2-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 16 2000

In Reply Refer To:
3106
U-0575A et al
(UT-932)

NOTICE

Devon Energy Production Company L.P.	:	Oil and Gas
20 North Broadway, Suite 1500	:	U-0575A et al
Oklahoma City, Oklahoma 73102-8260	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511	U-4377	UTU-67943
U-0143512	U-4378	

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit

cc: Vernal Field Office (w/encl.)
Moab Field Office (w/encl.)
MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.)
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)
Teresa Thompson (UT-931) (w/encl.)
Irene Anderson (UT-932) (w/encl.)
LaVerne Steah (UT-942) (w/encl.)

Exhibit of Leases

U-0575A
U-01188B
U-016654
U-0115614A
U-0115615
U-0126825
U-0141454
U-0141459
U-0143511
U-0143512
U-0144868A
U-3099
U-3575
UTU-74888
U-4377
U-4378
U-16131
U-31262
U-44426
UTU-67943

Communitization Agreements

U-58774
U-58799
U-58830
U-58834
U-58835
U-58839
U-58844
U-58854
U-60827
U-60831
U-68998

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-4377
UTU-66485
(UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Exploration and Production L.L.C.	:	Oil and Gas
P.O. Box 2967	:	
Houston, TX 77252-2967	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 29 91 (BLM Bond No. NM0043). The principal/obligor is also automatically changed from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson
Acting Group Leader,
Minerals Adjudication Group

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801
Teresa Thompson (UT-931)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-0115615 et al
(UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Company	:	Oil and Gas
P.O. Box 2967	:	
Houston, TX 77252-2967	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzoil Company with PennzEnergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval date).

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson
Acting Group Leader,
Minerals Adjudication Group

Enclosure
Exhibit

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801
Teresa Thompson (UT-931)

Devon Energy Production Company, L.P.

Certificate of Merger

FILED

DEC 3 0 1999

OKLAHOMA SECRETARY OF STATE

TO: The Oklahoma Secretary of State
101 State Capitol
Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

1. The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

Name of Organization	Type of Organization	Jurisdiction of Formation
Devon Energy Production Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and Production Company, L.L.C.	Limited Liability Company	Delaware

2. An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.

3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

4. The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.

5. The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.

6. A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge.

RECEIVED

MAR 1 3 2000

DIVISION OF
OIL, GAS AND MINING

DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C.
General Partner

By: _____
J. Larry Nichols, Manager

LD635381-001

OFFICE OF THE SECRETARY OF STATE

STATE OF OKLAHOMA

CERTIFICATE OF MERGER

WHEREAS,

DEVON ENERGY PRODUCTION COMPANY, L.P.

a limited partnership organized under the laws of the State of **OKLAHOMA,** *has filed in the office of the Secretary of State duly authenticated evidence of a merger whereby said limited partnership is the survivor, as provided by the laws of the State of Oklahoma.*

NOW THEREFORE, I, *the undersigned Secretary of State of Oklahoma, by virtue of the powers vested in me by law, do hereby issue this Certificate evidencing such merger.*

IN TESTIMONY WHEREOF, *I hereunto set my hand and cause to be affixed the Great Seal of the State of Oklahoma.*

Filed in the City of Oklahoma City this 30TH *day of* DECEMBER *, 1999.*

Mike Hunter
Secretary of State

By: [signature]

FORM 5

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: As per the attached spreadsheet.

LEASE NUMBER: _____

and hereby designates

NAME: Devon Energy Production Company, L.P.

ADDRESS: 20 North Broadway, Suite 1500, Oklahoma City, OK 73102-8260

as his agent ☐/operator ☒ with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.)

See attached spreadsheet.

Note: Please use April 1, 2000 as the starting date for production reporting purposes.

RECEIVED

APR 20 2000

DIVISION OF
OIL, GAS AND MINING

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: January 1, 2000

BY: (Name) R. D. Clark

(Signature) _____

(Title) Vice President

(Phone) 405-235-3611

OF: (Company) PennzEnergy Exploration and Production Company, L.L.C.

(Address) 20 North Broadway, Suite 1500

Oklahoma City, OK 73102-8260

(7/93)

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	LEASE NO. / AGREEMENT NO.
28	4301330297	GEORGE MURRAY 1-16B1	SENW-16-2S-1W	DUCHESNE	BLUEBELL	
29	4301330307	UTE ALLOTTED 1-36Z2	NWSE-36-1N-2W	DUCHESNE	BLUEBELL	1420H621676 / 9C124
30	4301330347	LAMICQ URRUTY U 4-5A2	SENW-5-1S-2W	DUCHESNE	BLUEBELL	
31	4301330359	H G COLTHARP 1-15B1	SENW-15-2S-1W	DUCHESNE	BLUEBELL	
32	4301330369	STATE 3-18A1	NESW-18-1S-1W	DUCHESNE	BLUEBELL	9C142
[illegible]	4301330564	D L GALLOWAY 1-14B2	SWNE-14-2S-2W	DUCHESNE	BLUEBELL	
[illegible]	4301330807	MARGUERITE 2-8B2	SENW-8-2S-2W	DUCHESNE	BLUEBELL	96102
35	4301330809	LAMICQ 2-6B1	NWSE-6-2S-1W	DUCHESNE	BLUEBELL	
36	4301330821	DILLMAN 2-28A2	SWNE-28-1S-2W	DUCHESNE	BLUEBELL	
37	4301330903	HAMBLIN 2-26A2	SWNE-26-1S-2W	DUCHESNE	BLUEBELL	
38	4301330912	RACHEL JENSEN 2-16C5	NENW-16-3S-5W	DUCHESNE	ALTAMONT	
39	4301330921	ROBERTSON UTE 2-2B2	NENE-2-2S-2W	DUCHESNE	BLUEBELL	9682
40	4301330975	JOHN 2-3B2	NWNE-3-2S-2W	DUCHESNE	BLUEBELL	
41	4301330995	LAMICQ ROBERTSON STATE 2-1B2	SWNE-1-2S-2W	DUCHESNE	BLUEBELL	
42	4301331009	UTE 2-7A2	CNE-7-1S-2W	DUCHESNE	BLUEBELL	1420462811
43	4301331147	HATCH 2-3B1	SENW-3-2S-1W	DUCHESNE	BLUEBELL	
44	4301331151	NORLING 2-9B1	SWSW-9-2S-1W	DUCHESNE	BLUEBELL	
45	4301331184	SHAW 2-27A2	SESW-27-1S-2W	DUCHESNE	BLUEBELL	
[illegible]	4301331190	LAMICQ URRUTY 4-17A2	SENW-17-1S-2W	DUCHESNE	BLUEBELL	
[illegible]	4301331191	LAMICQ 2-20A2	SESE-20-1S-2W	DUCHESNE	BLUEBELL	
48	4301331192	BOREN 3-11A2	SWSW-11-1S-2W	DUCHESNE	BLUEBELL	96107
49	4301331203	FRESTON 2-8B1	SWNE-8-2S-1W	DUCHESNE	BLUEBELL	
50	4301331215	WISSE 3-35A2	SWSW-35-1S-2W	DUCHESNE	BLUEBELL	
51	4301331231	MECCA 2-8A2	SESE-8-1S-2W	DUCHESNE	BLUEBELL	
52	4301331232	MARK 2-25A2	NWNE-25-1S-2W	DUCHESNE	BLUEBELL	NW537
53	4301331233	DUNCAN 4-12A2	SWNW-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
54	4301331235	SWYKES 2-21A2	NWNW-21-1S-2W	DUCHESNE	BLUEBELL	NW590

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	LEASE NO. / AGREEMENT NO.
55	4301331238	SHERMAN 2-12B2	SWSE-12-2S-2W	DUCHESNE	BLUEBELL	9690
56	4301331245	MILES 7-7B3	SWNW-7-2S-3W	DUCHESNE	ALTAMONT	9675
57	4301331276	DUNCAN 4-2A2	NESE-2-1S-2W	DUCHESNE	BLUEBELL	
58	4301331278	HAMBLIN 3-9A2	SENE-9-1S-2W	DUCHESNE	BLUEBELL	
59	4301331285	DUNCAN 3-7A1	NWNW-7-1S-1W	DUCHESNE	BLUEBELL	
60	4301331286	BAR F 2-5B1	SWSE-5-2S-1W	DUCHESNE	BLUEBELL	
61	4301331299	CORNABY 2-14A2	NENE-14-1S-2W	DUCHESNE	BLUEBELL	NW498
62	4301331317	MITCHELL 2-4B1	SESW-4-2S-1W	DUCHESNE	BLUEBELL	9662
63	4301331321	SMITH 2-9C5	SWSW-9-3S-5W	DUCHESNE	ALTAMONT	
64	4301331322	LORANGER 2-24A2	N/2NE-24-1S-2W	DUCHESNE	BLUEBELL	
65	4301331325	UTE 2-6B3	SWSW-6-2S-3W	DUCHESNE	ALTAMONT	1420H621858 / 9651
66	4301331326	MCELPRANG 2-30A1	SWSW-30-1S-1W	DUCHESNE	BLUEBELL	NW625
67	4301331327	SMITH 2-7C5	NESW-7-3S-5W	DUCHESNE	ALTAMONT	1420H622389
68	4301331328	SMITH 2-18C5	SWSE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
69	4301331329	UTE 2-24A3	SWNW-24-1S-3W	DUCHESNE	BLUEBELL	1420H621761
70	4301331330	UTE 5-19A2	NWNW-19-1S-2W	DUCHESNE	BLUEBELL	1420H621751
71	4301331332	EDWARDS 3-10B1	SWSW-10-2S-1W	DUCHESNE	BLUEBELL	
72	4301331333	SUNDANCE 4-15A2	SWNE-15-1S-2W	DUCHESNE	BLUEBELL	
73	4301331334	LORANGER 6-22A2	SWSW-22-1S-2W	DUCHESNE	BLUEBELL	
74	4301331335	COX 2-36A2	NWNW-36-1S-2W	DUCHESNE	BLUEBELL	
75	4301331338	SMITH 2-6C5	SESW-6-3S-5W	DUCHESNE	ALTAMONT	1420H622388 / UTU70553
76	4301331341	FRESTON 2-7B1	SENE-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
77	4301331356	PEARSON 2-11B2	SENE-11-2S-2W	DUCHESNE	BLUEBELL	
78	4301331378	CHAPMAN 2-4B2	SWNW-4-2S-2W	DUCHESNE	BLUEBELL	
79	4301331390	LAMB 2-16A2	NENE-16-1S-2W	DUCHESNE	BLUEBELL	
80	4301331393	LABRUM 2-23A2	SWSW-23-1S-2W	DUCHESNE	BLUEBELL	
81	4301331820	POWELL 2-16B1	NENE-16-2S-1W	DUCHESNE	BLUEBELL	

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	LEASE NO. / AGREEMENT NO.
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	NW673
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	UTU68998
85	4304732178	CHRISTIANSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	96101
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	
87	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	96107
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE	BLUEBELL	
92	4301330389	SWD 2-26A2	NESW-26-1S-2W	DUCHESNE	BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE	BLUEBELL	

STATE OF UT[illegible]
Department of Natural Resources
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTEE OR TRIBE NAME:

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER: Sundance 4-15A2

2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.C.

9. API NUMBER: 43-013-31333

3. ADDRESS OF OPERATOR: P.O. BOX 290 NEOLA, UT 84053 PHONE NUMBER: 435-353-4121

10. FIELD AND POOL, OR WILDCAT: Bluebell/Wasatch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1600' FNL 1600' FEL COUNTY: Duchesne

QTR/QTR, SEC, TOWNSHIP, RANGE, MERIDIAN: Section 15, T 1S, R2W STATE: **UTAH**

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (SUBMIT IN DUPLICATE) Approximate date work will start	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERF CURRENT FORMATION
	[ ] ALTER CASING	[ ] FRACTURE TREATMENT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARILY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLARE
	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
	[ ] CHANGE WELL STATUS	[ ] PRODUCTION(START/RESUME)	[ ] WATER SHUT OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER Spill Report
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE-DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

1. Date and time of occurrence: Reported to Devon Energy's Neola office at approximately 9AM, Oct 23, 2000 by a hunter. Reported to Gil Hunt, DOGM, at 2:25PM October 23, 2000 by phone.

2. Approximately 1200' north of the well in the NW/NE section 15, T1S, R2W, Duchesne County, Utah

3. Leak in a water disposal line from the Sundance 4-15A2 to the water disposal system caused by corrosion.

4. Ran down the ROW to the south into an unnamed drainage, oil hardened into wax behind a small brush dam. Water ran down stream diluting into the stream water.

5. Isolated the water disposal line and removed from service. Oil was already contained behind the dam. Clean up took 3 1/2 days.

6. Estimated 5 BO, 100-250 BW.

Dennis Ingram, Reclamation Specialist, DOGM, inspected the area prior to the cleanup and after the cleanup.

NAME (PLEASE PRINT) Craig Goodrich TITLE Production Foreman

SIGNATURE Craig Goodrich DATE 11/10/00

(This space for State use only)

(11/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: SUNDANCE 4-15A2

2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY L.P.

9. API NUMBER: 4301331333

3. ADDRESS OF OPERATOR: P.O. BOX 290 CITY NEOLA STATE UT ZIP 84053

PHONE NUMBER: (435) 353-4121

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont/Wasatch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1600' FNL 1600' FEL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 15 1S 2W 6

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☑ ACIDIZE	☐ DEEPEN	☑ REPERFORATE CURRENT FORMATION
Approximate date work will start: 10/1/2003	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU WORKOVER RIG, PULL TEST RIG ANCHORS
PULL PRODUCTION EQUIPMENT
PERFORATE WASATCH (RED BED) INTERVAL 11,082-11,092' WITH 3 1/8" HSC CHARGES, 10', 20 HOLES
TIH WITH RBP AND PACKER, ISOLATE AND ACIDIZE PERFORATIONS 11,082-11,092' WITH 1500 GALS 15% HCL ACID.
PULL PLUG AND PACKER, RETURN TO PRODUCTION FROM WASATCH PERFORATION 11,082-13940'.

COPY SENT TO OPERATOR
Date: 9-18-03
Initials: CHD

NAME (PLEASE PRINT) JOHN PULLEY TITLE SR. OPERATIONS ENGINEER

SIGNATURE John Pulley DATE 9/12/2003

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING
DATE: 9/17/03
BY:

RECEIVED
SEP 17 2003
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: SUNDANCE 4-15A2

2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY L.P.

9. API NUMBER: 4301331333

3. ADDRESS OF OPERATOR: P.O. BOX 290 CITY NEOLA STATE UT ZIP 84053

PHONE NUMBER: (435) 353-4121

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont/Wasatch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1600' FNL 1600' FEL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 15 1S 2W 6

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☑ ACIDIZE	☐ DEEPEN	☑ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/25/2004	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CHANGE OF PLANS ON SUNDRY SUBMITTED 09/12/03. ADD ADDTIONAL PERFORATIONS.

MIRU WORKOVER RIG, TEST RIG ANCHORS.
PULL PRODUCTION EQUIPMENT.
PERFORATE WASATCH (RED BEDS) INTERVALS 11046-11250', SEVEN INTERVALS, 63', 126 HOLES WITH 3 1/8" HSC GUNS.
TIH WITH PLUG AND PACKER, SET PLUG AT 11270', PACKER AT 10900'. FILL AND TEST ANNULUS TO 1000 PSI.
ACIDIZE PERFORATIONS 11046-11250' WITH 6300 GALS 15% HCL WITH ADDITIVES AND 130 BALLS.
SWAB BACK UNTIL PH IS FIVE OR GREATER.
PULL PLUG AND PACKER, RETURN TO PRODUCTION FROM PERFS 11046-13940'.

COPY SENT TO OPERATOR
Date: 1-8-04
Initials: CHD

RECEIVED
JAN 06 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JOHN PULLEY TITLE SR. OPERATIONS ENGINEER

SIGNATURE John Pulley DATE 1/5/2004

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APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 1/7/04
BY: [signature]

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: SUNDANCE 4-15A2

2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY, LP

9. API NUMBER: 4301331333

3. ADDRESS OF OPERATOR: P.O. BOX 290 CITY NEOLA STATE UT ZIP 84066

PHONE NUMBER: (435) 353-4121

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont/Wasatch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1600' FNL 1600' FEL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 15 1S 2W 6

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☑ ACIDIZE	☐ DEEPEN	☑ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 1/24/2004	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SET RBP @ 11,270'.
PERFORATE 7 INTERVALS, 11,046 - 11,250', 126 HOLES, 63'. SET 5" PKR @ 10,900'. SWAB TEST INTERVAL.
ACIDIZE PERFORATIONS 11,046 -11,250' W/ 6300 GALS 15% HCL ACID AND 130 1.3 SG BALL SEALERS FOR DIVERSION, SWAB TEST UNTIL PH WAS 5.
RELEASE & POOH W/ PKR & PLUG.
RETURN TO PRODUCTION WASATCH/RED BED PERFORATIONS 11,046 - 13,940'.

RECEIVED
FEB 12 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) GEORGE GURR TITLE PRODUCTION FOREMAN

SIGNATURE George Gurr DATE 2/11/2004

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(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
SUNDANCE 4-15A2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013313330000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1600 FNL 1600 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 15 Township: 01.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/1/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Recompletion

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please find attached the proposed recompletion plan for the subject well. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 08, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		10/17/2012

RECEIVED: Oct. 17, 2012

DEVON ENERGY PRODUCTION COMPANY
LOWER GREEN RIVER/UPPER WASATCH RECOMPLETION PROCEDURE
SUNDANCE 4-15A2
SWNE SECTION 15, T1S, R2W
BLUEBELL/ALTAMONT FIELD
DUCHESNE COUNTY, UTAH

OBJECTIVE:

Perforate, acidize, and flowback Lower Green River intervals to determine potential for hydraulic fracture stimulations of the same intervals. If initial results show a favorable oil cut proceed with frac, put well back on pump, and commingle with existing Wasatch producing intervals.

JUSTIFICATION:

The Sundance 4-15A2 was originally completed in the Lower Wasatch in 1992. This Lower Wasatch interval was acidized and produced until 1997 when an additional interval in the Wasatch was added and acidized. The Red Bed interval was perforated and acidized in 2004. The well currently makes roughly 39 BOPD, 200 BWPD, and 30 MCFD.

The existing intervals will be temporarily isolated with a CIBP. The Lower Green River intervals will be treated in two stages. The stage 1 interval will be perforated and acidized from 10,434 ft to 10,946 ft at 4 SPF. The stage 2 interval will be perforated and acidized from 9,770 ft to 10,313 ft at 4 SPF. Both stages will be swab tested individually to determine the oil cut and the potential success of a hydraulic fracture stimulation. If results are favorable we will proceed with the frac using a 4 ½" frac string and packer assembly. Stage 1 will be flowed back then isolated with a CIBP before proceeding with the stage 2. It is anticipated that the intervals will be treated at 50-60 bpm using a guar based system and versalite proppant. Maximum surface treating pressure will be 8,500 psi. After fracking and flowing back the LGR, the decision will be made to either drill out CIBP's and commingle with the existing Wasatch intervals or test the LGR separately.

WELL DATA:

API Number:	43-013-31333		
Completion Date:	January 1992		
TD:	13,984'	PBTD:	13,953'
Casing:	10 ¾" 40.5# S-80/K-55 at 3,498' 7" 23# S-95 set at 10,722' 5" 18# N-80 liner from 10,355 to 13984'		

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Perforations: Wasatch: January 1992
12,077 – 13,940' 258 intervals, 1052', 2035 holes

Red Beds: November 1997
11,310 – 12,014', 42 intervals, 208', 416 holes
11,046– 11,250', 7 intervals, 63', 126 holes

Other: Weatherford one-way CIBP at 12,052'.

Cement Bond: Halliburton Acoustic Cement Bond Log 01-06-92

TOC	400'
400-6900'	Poor to fair bond
6900-10950	Excellent bond
10950-11950	Fair to good bond
11950- 13950	Excellent bond

WELL HISTORY

01-04-92	Cleaned out to 13,953'.
01-08-92	Set 7" Guiberson packer at 10,205'.
01-13-92	Perf'd 12,095-13,678' (69 intervals, 69', 69 holes).
01-13-92	Acidized 12,095-13,678' with 20,000 g 15% HCL.
01-15-92	Perf'd 12,077-13,940' (189 intervals, 983', 1966 holes).
01-18-92	Acidized 12,077-13,940' with 110,000 g 15% HCL..
01-23-92	Removed 7" Guiberson packer at 10,205'.
01-28-92	Installed submersible pump.
05-25-93	Converted well to rod pump.
08-27-94	Lowered rod pump from 10,100' to 11,000'.
11-10-97	Set PDQ-X one way CIBP at 12052'. Perforated Wasatch 11,310-12,014' 208', 42 intervals, 416 holes. Set Arrow Pak packer at 10,850'.
11-13-97	Dowell acidized with 20,000 gals 15% HCL with 825 ball sealers. Good ball action early.

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11-16-97	Laid down rods out of derrick, well flowing.
09-18-98	Put back on pump
01-15-04	Set Baker RBP at 11,270', fill casing and test to 1000 psi. Perforate Red Bed interval 11,046-11,250', 7 int, 63', 126 holes. No pressure.
01-16-04	Set packer at 10,900'. Test annulus to 1000 psi. Swab test
01-20-04	Halliburton acidized perfs 11,046-11,250' with 6300 gals 15% HCL with additives and 130 balls. Good ball action. AIR 5.5 BPM, AIP 4100 psi, max rate 6.2 BPM, max pressure 5700 psi. on vacuum in 30 min. Swab test IFL 7000', FFL 5700'.
01-22-04	Release packer and plug, unable to pull plug thru liner top. Set plug at 10,483', TOH with packer.
01-23-04	TIH, latch onto plug, push to 12,038', work plug up hole thru liner top, TOH. Lost six bottom slips, retainer ring and bottom cup off of plug.
01-25-04	Returned to production, SN at 10,235'.
04-23-04	Lowered seating nipple to 11,161'.

PROCEDURE:

1. RDMO pumping unit.
2. MIRU workover rig with pump and tank. Test deadmen prior to moving in and rigging up.
3. POOH with rods and pump, 2" tubing side string, 2-7/8" production tubing.
4. RU E-Line and TIH to 11,020' and set CIBP in 5" production casing (4.276" ID), dump 10' of cement on top.
5. RIH while hydro testing 2-7/8" production tubing. Set 5" packer at 10,380' and test CIBP to 8,500 psi. Test annulus to 1,000 psi.
6. Release packer POOH standing back 2-7/8" production tubing.
7. Rig up full lubricator and grease for pressure control. Perforate Stage 1 LGR from 10,946' to 10,434' as per perforation sheet. Correlate perfs to Schlumberger Very

RECEIVED: Oct. 17, 2012

Enhanced Phasor Induction log dated 10/23/91(Run #1) & 12/7/91(Run #2). RDMO wireline.

8. RIH while hydro testing 2-7/8" production tubing & 5" treating packer and set at 10,380'.
9. Acidize Stage 1 LGR perfs with 8,600 gal of 15% HCl, standard additives, and 78 bio-ball sealers for diversion.
10. Swab test interval, determine oil cut, rate, and fluid level. Call OKC to discuss results prior to going ahead with frac.
11. If decision is made to frac, release packer POOH laying down 2-7/8" production tubing.
12. RIH while hydro testing 4 ½" work string crossed over to a 60' 2 7/8" stinger & 5" treating packer and set packer at 10,385'.
13. MIRU frac crew to frac Stage 1. Pressure up backside to 1,000 psi and monitor during job. Install relief valves on treating lines and set for max pressure of 8,500 psi.
14. Pump job as per design.
15. Shut well in. RDMO frac crew. Flowback well up 4 ½"x 2 7/8" work string.
16. Keep workover rig on standby.
17. When pressure begins to deplete. POOH w/ packer and 4 ½"x 2 7/8" work string.
18. RU wireline with full lubricator and grease for pressure control and set 7" CIBP @ 10,345', dump 10' of cement on top..
19. RIH while hydro testing 2-7/8" production tubing. Set 7" packer at 9,670' and test CIBP to 8,500 psi. Test annulus to 1,000 psi.
20. Release packer POOH standing back 2-7/8" production tubing.
21. Rig up full lubricator and grease for pressure control. Perforate Stage 1 LGR from 10,946' to 10,434' as per perforation sheet. Correlate perfs to Schlumberger Very Enhanced Phasor Induction log dated 10/23/91(Run #1) & 12/7/91(Run #2). RDMO wireline.

RECEIVED: Oct. 17, 2012

22. RIH while hydro testing 2-7/8” production tubing & 7” treating packer and set at 9,670’.Acidize Stage 2 LGR perfs with 8,600 gal of 15% HCl, standard additives, and 78 bio-ball sealers for diversion.
23. Swab test interval prior to rigging up frac crew, determine oil cut, rate, and fluid level. Call OKC to discuss results prior to going ahead with frac.
24. If decision is made to frac, release packer POOH laying down 2-7/8” production tubing.
25. RIH while hydro testing 4 ½” work string and set 7” packer at 9,760’.
26. MIRU frac crew to frac Stage 2. Pressure up backside to 1,000 psi and monitor during job. Install relief valves on treating lines and set for max pressure.
27. Pump job as per design.
28. Shut well in. RDMO frac crew. Flowback well up 4 ½” work string.
29. Keep workover rig on standby.
30. When pressure begins to deplete. POOH w/ packer and 4 ½” frac string.
31. Consult with OKC prior to drilling out CIBP at 10,345’ and 11,020’
32. Run production equipment and put well on pump.

RECEIVED: Oct. 17, 2012

STAGE 1 & 2 PROPOSED PERFORATIONS FOR LGR FRAC

Perfs picked from Schlumberger Very Enhanced Phasor Induction log dated 10/23/91(Run #1) & 12/7/91(Run #2)

	No.	Perforated Interval Top	Bottom	Feet	SPF	Holes	Comments
							6900-10950 Excellent bond
Stage 1	1	10,945	10,946	1	4	4	
	2	10,908	10,909	1	4	4	Perforating 7 intervals through 5" liner &
	3	10,877	10,878	1	4	4	7" intermediate from 10,355' - 10,722'
	4	10,841	10,842	1	4	4	
	5	10,790	10,791	1	4	4	
	6	10,745	10,746	1	4	4	
	7	10,716	10,717	1	4	4	
	8	10,654	10,655	1	4	4	
	9	10,587	10,588	1	4	4	
	10	10,529	10,530	1	4	4	
	11	10,496	10,497	1	4	4	
	12	10,462	10,463	1	4	4	
	13	10,434	10,435	1	4	4	
Stage 2	1	10,312	10,313	1	4	4	
	2	10,279	10,280	1	4	4	
	3	10,227	10,228	1	4	4	
	4	10,209	10,210	1	4	4	
	5	10,119	10,120	1	4	4	
	6	10,077	10,078	1	4	4	
	7	10044	10045	1	4	4	
	8	9979	9980	1	4	4	
	9	9945	9946	1	4	4	
	10	9927	9928	1	4	4	
	11	9908	9909	1	4	4	
	12	9788	9789	1	4	4	
	13	9770	9771	1	4	4	

Stage 1	**Number of Intervals**	13
	Gross Interval	512
	Net Feet of Perforations	13
	Number of Holes	52

Stage 2	**Number of Intervals**	13
	Gross Interval	543
	Net Feet of Perforations	13
	Number of Holes	52

Well Data

Surface Csg: 10 ¾" 40.5# S-80/K-55 at 3,498'
Intermediate Csg: 7" 23# S-95 set at 10,722'
Liner: 5" 18# N-80 liner from 10,355 to 13984'

Frac String: 4 1/2 P-110 crossed to 2 7/8" w/ 5" treating packer set at 10358' for stage 1
Frac String: 4 1/2 P-110 w/ 7" treating packer set at 9670' for stage 2
5" CIBP set at 11,020' to isolate existing perfs and set 7" CIBP at 10,345' to isolate stage 1

RECEIVED: Oct. 17, 2012

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **8/29/2014**

FROM: (Old Operator):	**TO:** (New Operator):
DEVON ENERGY PRODUCTION COMPANY L.P. N1275	LINN OPERATING INC N4115
333 WEST SHERIDAN AVENUE	1999 BROADWAY STE 3700
OKLAHOMA CITY OK 73102-5015	DENVER CO 80202
	303-999-4275

CA No. **Unit:** N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/16/2014
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/16/2014
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 10/8/2014
4a. Is the new operator registered in the State of Utah: _____ Business Number: 9031632-0143
5a. (R649-9-2)Waste Management Plan has been received on: Yes
5b. Inspections of LA PA state/fee well sites complete on: N/A
5c. Reports current for Production/Disposition & Sundries on: 10/8/2014
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM NOT YET BIA NOT YET
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/24/2014

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 10/8/2014
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 10/8/2014
3. Bond information entered in RBDMS on: 10/8/2014
4. Fee/State wells attached to bond in RBDMS on: 10/8/2014
5. Injection Projects to new operator in RBDMS on: N/A
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 10/8/2014
7. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 9/16/2014

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: NMB000501
2. Indian well(s) covered by Bond Number: NMB000501
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/8/2014

COMMENTS:

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	A
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	A
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	A
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	A
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	OW	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	OW	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	OW	P
L BOREN U 3-15A2	15	010S	020W	4301330086	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	OW	P
L BOREN U 5-22A2	22	010S	020W	4301330107	5900	Fee	OW	P
L BOREN U 4-23A2	23	010S	020W	4301330115	5905	Fee	OW	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330120	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330130	5665	Fee	OW	P
LAMICQ 1-20A2	20	010S	020W	4301330133	5400	Fee	GW	P
L RBRTSN ST 1-1B2	1	020S	020W	4301330200	5410	State	OW	P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW	P
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903	5361	Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	OW	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	OW	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	OW	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	OW	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	OW	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	OW	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	OW	P
MCELPRANG 2-30A1	30	010S	010W	4301331326	11252	Fee	OW	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	OW	P
LORANGER 6-22A2	22	010S	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	OW	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	OW	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	OW	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	OW	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W	4301330006	5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	OW	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	OW	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	OW	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER See Attached Well List

8. WELL NAME and NUMBER: See Attached Well List

2. NAME OF OPERATOR: LINN OPERATING, INC N4115

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 999-4275

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Duchsene/Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: CHANGE OF OPERATOR
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893.

Attached is a list of wells that are associated with this Change of Operator.

Devon Energy Production Company, LP N1275
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

John D. Raines
Vice President

RECEIVED
SEP 16 2014
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager

SIGNATURE R des Cognets DATE 9/8/14

(This space for State use only) APPROVED

OCT 08 2014

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

Devon Energy Production Company, LP
Exisiting Well List for State/Fee/Indian Leases

Well Name	API #	Legal Location	Producing Status	Well Type	Lease Type	Field	State	County
BAR F 2-5B1	430133128600	005-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BINGHAM 3-4B1	430135146400	004-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BLANCHARD 3-10A2	430133222300	010-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 1-14A2	430133003500	014-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-11A2	430133119200	011-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-15A2	430133008600	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-23A2	430133011500	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-9A2	430133220300	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 5-22A2	430133010700	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 6-16A2	430133012300	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOWMAN 5-5A2	430133220200	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN DOUG 2-4A2	430133001700	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN VICTOR C 1-4A2	430133001100	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN 3-4A2	430133268400	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CAMPBELL UTE ST 1-7B1	430133023600	007-002S-001W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
CHAPMAN 2-4B2	430133137800	004-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CLYDE MURRAY 1-2A2	430133000500	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COLTHARP 1-15B1	430133035900	015-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CORNABY 2-14A2 (RECOMP)	430133129900	014-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COX 2-36A2	430133133500	036-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DILLMAN 2-28A2	430133082100	028-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DUNCAN 4-2A2	430133127600	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
EDWARDS 3-10B1	430133133200	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON STATE 1-8B1	430133029400	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-7B1	430133134100	007-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-8B1	430133120300	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 1-14B2	430133056400	014-002S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 3-11B2	430133430400	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 2-26A2	430133090300	026-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 3-9A2	430133127800	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HATCH 2-3B1	430133114700	003-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
JOHN 2-3B2	430133097500	003-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LABRUM 2-23A2	430133139300	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMB 2 16A2	430133139000	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ ROBERTSON 1-1B2	430133020000	001-002S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE

LAMICQ ROBERTSON 2-1B2	430133099500	001-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 3-17A2	430133009900	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-17A2	430133119000	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-5A2	430133034700	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 1-20A2	430133013300	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-20A2	430133119100	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-6B1	430133080900	006-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 2-24A2	430133132200	024-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 6-22A2	430133133400	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MARK 2 25A2	430133123200	025-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MCELPRANG 2-30A1	430133132600	030-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECCA 2-8A2	430133123100	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM VIRGIL B 1-11A2 SWD	430133000900	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM 3-1B2	430135184400	1-2S-2W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY 3-4B2	430135184500	4-2S-2W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MITCHELL 2-4B1	430133131700	004-002S-001W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MURRAY GEORGE 1-16B1	430133029700	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
NORLING 2-9B1	430133115100	009-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
OWL AND THE HAWK 3-9C5	430135121400	9-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
PEARSON 2-11B2	430133135600	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
POWELL 2 16B1	430133182000	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
RED MOUNTAIN 3-5B1	430135163200	05-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHAW 2-27A2	430133118400	027-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHERMAN 2-12B2	430133123800	012-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH ALBERT 1-8C5	430133024500	008-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-18C5	430133132800	018-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-6C5	430133133800	006-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-7C5	430133132700	007-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-9C5	430133132100	009-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SQUIRES 3-8A2	430133222700	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 1-10A2	430133000600	010-001S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 3-18A1	430133036900	018-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SUNDANCE 4 15A2 (BOREN)	430133133300	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD ANDERSON 2-28A2	430133034600	028-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD HAMBLIN 2-26A2	430133038900	026-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD SALERATUS 2-17C5	430133038800	017-003S-005W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 1-3A2	430133002100	003-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 4-11A2	430132025500	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER See Attached Well List

8. WELL NAME and NUMBER: See Attached Well List

2. NAME OF OPERATOR: LINN OPERATING, INC

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 999-4275

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Duchsene

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: CHANGE OF OPERATOR
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893 .

Attached is a list of Applications for Permit to Drill (APD) that are associated with this Change of Operator.

Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

John D. Raines
Vice President

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager

SIGNATURE [signature] DATE 9/8/14

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APPROVED

OCT 08 2014

DIV. OIL GAS & MINING

BY: Rachael Medina

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SEP 16 2014

DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: Misc.

2. NAME OF OPERATOR: LINN OPERATING, INC.

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1999 Broadway, Ste #3700 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 999-4016

10. FIELD AND POOL, OR WILDCAT: Bluebell

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 14 1S 2W

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Excluded wells from Change of Operator
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Do not process Change of Operator from Devon Energy Production Company, LP to LINN Operating, Inc. for the following wells.

43-013-31192	BOREN 3-11A2	Oil Well	Producing BLUEBELL DUCHESNE 1S-2W Sec 11
43-013-51846	MIKE AND SHELLEY #4-14A2	Oil Well	Approved permit (APD) BLUEBELL DUCHESNE 1S-2W Sec14
43-013-31299	CORNABY 2-14A2	Oil Well	Producing BLUEBELL DUCHESNE 1S-2W Sec 14
43-013-30035	FLY/DIA L BOREN 1-14A2	Oil Well	Shut-In BLUEBELL DUCHESNE 1S-2W Sec 14

The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right to purchase the leases and wells in Sections 11 amd 14 of T1S, 2W so EP Energy now owns these wells.

NAME (PLEASE PRINT) Debbie Chan TITLE Reg. Compliance Supervisor

SIGNATURE DATE 9/23/2014

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